

Diary

1918.

William Brewster,
145 Brattle Street,
Cambridge,
Massachusetts

Should this diary be
lost or mislaid anyone
finding and returning
it to the above address
would receive a suitable
reward for such trouble

THE
STANDARD

DIARY



FOR SALE BY ALL STATIONERS

PUBLISHED BY
THE STANDARD DIARY CO

FOR IDENTIFICATION.

My Name.....

My Residence.....

My Business Address

My Home Telephone.....

My Office Telephone.....

My Home Fire Alarm Box

My Office Fire Alarm Box

In case of accident or serious illness please notify

The make of my Automobile.....

Its Number.....

Number on case of my Watch

Number of the works.....

Number of my Bank Book

My Weight was.....On.....

Height.....feet.....inches.....

Size of Hat.....Gloves.....

" Hosiery.....Collar.....

" Cuffs.....Shoes.....

" Shirt.....Drawers.....

CALENDAR

1918

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
JAN.	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31
FEB.	1	2
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	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28
	1	2
MAR.	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31
APRIL	..	1	2	3	4	5	6
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	14	15	16	17	18	19	20
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	28	29	30
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MAY	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	..
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JUNE	2	3	4	5	6	7	8
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	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
JULY	..	1	2	3	4	5	6
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	28	29	30	31
AUG.	1	2	3
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	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31

SEPT.	1	2	3	4	5	6	7
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	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30
OCT.	1	2	3	4	5
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	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31
	1	2
NOV.	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30

DEC.	1	2	3	4	5	6	7
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CALENDAR

1919

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
JAN.	5	6	7	8	9	10	11
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MAR.	1
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	30	31
APRIL	1	2	3	4	5
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MAY	1	2	3
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JUNE
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	29	30

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
JULY	1	2	3	4	5
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	27	28	29	30	31
AUG.	1	2
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	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
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SEPT.	..	1	2	3	4	5	6
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OCT.	1	2	3	4
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NOV.	1
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DEC.	..	1	2	3	4	5	6
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	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31

RATES OF POSTAGE.

Official at time of printing. As changes are expected inquire at P. O.

United States and Possessions, Canada, Mexico, Cuba, and Shanghai, China.

First Class (letters, etc.)	per ounce	2c
Second " (newspapers, periodicals)	4 "	1c
Third " (all circulars and miscellaneous printed matter.		
Miscellaneous printed matter over 4 lbs. subject to 4th class rates)	2 "	1c
Fourth " (merchandise, books, etc.) see Parcel Post		
Registration Fee (extra postage)		10c
Special Delivery (" ")		10c
Postal Cards (reply cards 2c)		1c
Local or Drop Letters (where no free delivery)	"	1c
Postal Savings Bank (inquire at P. O.)		

MONEY ORDERS.—For sums not exceeding \$2.50, 3 cents; over \$2.50 to \$5, 5 cents; over \$5 to \$10, 8 cents; over \$10 to \$20, 10 cents; over \$20 to \$30, 12 cents; over \$30 to \$40, 15 cents; over \$40 to \$50, 18 cents; over \$50 to \$60, 20 cents; over \$60 to \$75, 25 cents; over \$75 to \$100, 30 cents.

REFORWARDING.—Letters will be forwarded from one post office to another upon the *written* request of the *person addressed*, without additional charge; but unclaimed packages *cannot be returned to the sender* until stamps are furnished to pay the return postage.

PARCEL POST, for United States and Possessions.

(Inquire at Post Office.)

Owing to frequent changes in rates, weights, etc., we deem it impracticable to attempt to give accurate information.

Postage to Foreign Countries.

Letters for Canada, Cuba, Mexico, British Isles, Newfoundland, Republic of Panama; U. S. Postal Agency at Shanghai, China; Leeward Islands; Bahamas; British Honduras; Dutch West Indies. Dutch St. Martins; Barbadoes, Dutch Guiana and New Zealand	per ounce	2c
" for Germany (if sent by German steamer 2c per oz.)	"	5c
" for other countries	"	5c
	each additional ounce or fraction	3c
Postal cards (reply cards, 4c)		2c
Newspapers and printed matter	2 ounces	1c
Samples merchandise	first 4 "	2c
	every additional 2 "	1c
Commercial papers	first 10 ounces or fraction	5c
	every additional 2 ounces	1c
Registration Fee (extra postage)		10c
Reply Coupons (to prepay return letter) inquire at P. O.		
Parcels Post (inquire at P. O.)	per lb.	12c
Money Orders (inquire at P. O.)		

POPULATION OF THE UNITED STATES.

*Estimated Population July 1, 1916, based upon Federal Censuses.

	*1916	1910
Alabama.....	2,332,608	2,138,093
Arizona.....	255,544	204,354
Arkansas.....	1,739,723	1,574,449
California.....	2,938,654	2,377,549
Colorado.....	962,060	799,024
Connecticut.....	1,244,479	1,114,756
Delaware.....	213,380	202,322
District of Columbia.....	363,980	331,069
Florida.....	893,493	752,619
Georgia.....	2,856,065	2,609,121
Idaho.....	428,586	325,594
Illinois.....	6,152,257	5,638,591
Indiana.....	2,816,817	2,700,876
Iowa.....	2,220,321	2,224,771
Kansas.....	1,829,545	1,690,949
Kentucky.....	2,379,639	2,289,905
Louisiana.....	1,829,130	1,656,388
Maine.....	772,489	742,371
Maryland.....	1,362,807	1,294,450
Massachusetts.....	3,719,156	3,366,416
Michigan.....	3,054,854	2,810,173
Minnesota.....	2,279,603	2,075,708
Mississippi.....	1,951,674	1,797,114
Missouri.....	3,410,692	3,293,335
Montana.....	459,494	376,053
Nebraska.....	1,271,375	1,192,214
Nevada.....	106,734	81,875
New Hampshire.....	442,506	430,572
New Jersey.....	2,948,017	2,537,167
New Mexico.....	410,283	327,396
New York.....	10,273,375	9,113,614
North Carolina.....	2,402,738	2,206,287
North Dakota.....	739,201	577,056
Ohio.....	5,150,356	4,767,121
Oklahoma.....	2,202,081	1,657,155
Oregon.....	835,741	672,765
Pennsylvania.....	8,522,017	7,665,111
Rhode Island.....	614,315	542,674
South Carolina.....	1,625,475	1,515,400
South Dakota.....	698,509	583,888
Tennessee.....	2,288,004	2,184,789
Texas.....	4,429,566	3,896,542
Utah.....	434,083	373,351
Vermont.....	363,699	355,956
Virginia.....	2,192,019	2,061,612
Washington.....	1,534,221	1,141,990
West Virginia.....	1,386,038	1,221,119
Wisconsin.....	2,500,350	2,333,860
Wyoming.....	179,559	145,965
Alaska.....	64,834	64,356
Hawaii.....	215,714	191,909
Panama Canal Zone.....	31,048	61,279
Philippine Islands.....	8,834,187	8,265,348
Porto Rico.....	1,216,083	1,118,012
Military and Naval stationed abroad...	45,123	55,608
Total.....	112,444,620	101,748,269

POPULATION OF PRINCIPAL CITIES.

*Estimated Population July 1, 1916, based upon Federal Censuses.

	*1916	1910
Akron, O.....	85,625	69,067
Albany, N. Y.....	104,199	100,253
Allentown, Pa.....	63,505	51,913
Altoona, Pa.....	58,659	52,127
Atlanta, Ga.....	190,558	154,839
Atlantic City, N. J.....	57,660	46,150
Augusta, Ga.....	50,245	41,040
Baltimore, Md.....	589,621	558,485
Bay City, Mich.....	47,942	45,166
Bayonne, N. J.....	69,893	55,545
Binghamton, N. Y.....	53,973	48,443
Birmingham, Ala.....	181,762	132,685
Boston, Mass.....	756,476	670,585
Bridgeport, Conn.....	121,579	102,054
Brockton, Mass.....	67,449	56,878
Brooklyn, N. Y.....	1,928,734	1,634,351
Buffalo, N. Y.....	468,558	423,715
Butte, Mont.....	43,425	39,165
Cambridge, Mass.....	112,981	104,839
Camden, N. J.....	106,233	94,538
Canton, O.....	60,852	50,217
Cedar Rapids, Ia.....	37,308	32,811
Charleston, S. C.....	60,734	58,833
Charlotte, N. C.....	39,823	34,014
Chattanooga, Tenn.....	60,075	44,604
Chelsea, Mass.....	46,192	32,452
Chester, Pa.....	41,396	38,537
Chicago, Ill.....	2,497,722	2,185,283
Cincinnati, O.....	410,476	364,463
Cleveland, O.....	674,073	560,663
Columbus, O.....	214,878	181,548
Covington, Ky.....	57,144	53,270
Dallas, Tex.....	124,527	92,104
Davenport, Ia.....	48,811	43,028
Dayton, O.....	127,224	116,577
Decatur, Ill.....	39,631	31,140
Denver, Col.....	260,800	213,381
Des Moines, Ia.....	101,598	86,368
Detroit, Mich.....	571,784	465,766
Dubuque, Ia.....	39,873	38,494
Duluth, Minn.....	94,495	78,466
East St. Louis, Ill.....	74,708	58,547
Elizabeth, N. J.....	86,690	73,409
Elmira, N. Y.....	38,120	37,176
Erie, Pa.....	75,195	66,525
Evansville, Ind.....	76,078	69,647
Everett, Mass.....	39,233	33,484
Fall River, Mass.....	128,366	119,295
Fitchburg, Mass.....	41,781	37,826
Fort Wayne, Ind.....	76,183	63,933
Fort Worth, Tex.....	104,562	73,312
Galveston, Tex.....	41,863	36,981
Grand Rapids, Mich.....	128,291	112,571
Hamilton, O.....	40,496	35,279
Harrisburg, Pa.....	72,015	64,186
Hartford, Conn.....	110,900	98,915

POPULATION OF PRINCIPAL CITIES.—CONTINUED.

	*1916	1910
Haverhill, Mass.	48,477	44,115
Hoboken, N. J.	77,214	70,324
Holyoke, Mass.	65,286	57,730
Houston, Tex.	112,307	78,800
Huntington, W. Va.	45,629	31,161
Indianapolis, Ind.	271,708	233,650
Jacksonville, Fla.	76,101	57,699
Jersey City, N. J.	306,345	267,779
Johnstown, Pa.	68,529	55,482
Joliet, Ill.	38,010	34,670
Kalamazoo, Mich.	48,886	39,437
Kansas City, Kan.	99,437	82,331
Kansas City, Mo.	297,847	248,381
Knoxville, Tenn.	38,676	36,346
Lancaster, Pa.	50,853	47,227
Lawrence, Mass.	100,560	85,892
Léxington, Ky.	41,097	35,099
Lincoln, Neb.	46,515	43,973
Little Rock, Ark.	57,343	45,941
Lorain, O.	36,964	28,833
Los Angeles, Cal.	503,812	319,198
Louisville, Ky.	238,910	223,928
Lowell, Mass.	113,245	106,294
Lynn, Mass.	102,425	89,336
Macon, Ga.	45,757	40,665
Malden, Mass.	51,155	44,404
Manchester, N. H.	78,283	70,063
McKeesport, Pa.	47,521	42,694
Memphis, Tenn.	148,995	131,105
Milwaukee, Wis.	436,535	373,857
Minneapolis, Minn.	363,454	301,408
Mobile, Ala.	58,221	51,521
Montgomery, Ala.	43,285	38,136
Mount Vernon, N. Y.	37,009	30,919
Muskogee, Okla.	44,218	25,278
Nashville, Tenn.	117,057	110,364
Newark, N. J.	408,894	347,469
New Bedford, Mass.	118,158	96,652
New Britain, Conn.	53,794	43,916
Newcastle, Pa.	41,133	36,280
New Haven, Conn.	149,685	133,605
New Orleans, La.	371,747	339,075
Newton, Mass.	43,715	39,806
New York, N. Y.	5,602,841	4,766,883
Niagara Falls, N. Y.	37,353	30,445
Norfolk, Va.	89,612	67,452
Oakland, Cal.	198,604	150,174
Oklahoma City, Okla.	92,943	64,205
Omaha, Neb.	165,470	124,096
Pasadena, Cal.	46,450	30,291
Passaic, N. J.	71,744	54,773
Paterson, N. J.	138,443	125,600
Pawtucket, R. I.	59,411	51,622
Peoria, Ill.	71,458	66,950
Perth Amboy, N. J.	41,185	32,121
Philadelphia, Pa.	1,709,518	1,549,008
Pittsburg and Allegheny, Pa.	579,090	533,905

POPULATION OF PRINCIPAL CITIES.—CONTINUED.

	*1916	1910
Pittsfield, Mass.	38,629	32,121
Portland, Me.	63,867	58,571
Portland, Ore.	295,463	207,214
Portsmouth, Va.	39,651	33,190
Providence, R. I.	254,960	224,326
Pueblo, Col.	54,462	44,395
Quincy, Mass.	38,136	32,642
Racine, Wis.	46,486	38,002
Reading, Pa.	109,381	96,071
Richmond, Va.	156,687	127,628
Roanoke, Va.	43,284	34,874
Rochester, N. Y.	256,417	218,149
Rockford, Ill.	55,185	45,401
Sacramento, Cal.	66,895	44,696
Saginaw, Mich.	55,642	50,510
Saint Joseph, Mo.	85,236	77,403
Saint Louis, Mo.	757,309	687,029
Saint Paul, Minn.	247,232	214,744
Salem, Mass.	48,562	43,697
Salt Lake City, Utah.	117,399	92,777
San Antonio, Tex.	123,831	96,614
San Diego, Cal.	53,330	39,578
San Francisco, Cal.	463,516	416,912
San Jose, Cal.	38,902	28,946
Savannah, Ga.	68,805	65,064
Schenectady, N. Y.	99,519	72,826
Scranton, Pa.	146,811	129,867
Seattle, Wash.	348,639	237,194
Sioux City, Ia.	57,078	47,828
Somerville, Mass.	87,039	77,236
South Bend, Ind.	68,946	53,684
Spokane, Wash.	150,323	104,402
Springfield, Ill.	61,120	51,678
Springfield, Mass.	105,942	88,926
Springfield, O.	51,550	46,921
Superior, Wis.	46,226	40,384
Syracuse, N. Y.	155,624	137,249
Tacoma, Wash.	112,770	83,743
Tampa, Fla.	53,886	37,782
Terre Haute, Ind.	66,083	58,157
Toledo, O.	191,554	168,497
Topeka, Kan.	48,726	43,684
Trenton, N. J.	111,593	96,815
Troy, N. Y.	77,916	76,813
Utica, N. Y.	85,692	74,419
Washington, D. C.	363,980	331,069
Waterbury, Conn.	86,973	73,141
West Hoboken, N. J.	43,139	35,403
Wheeling, W. Va.	43,377	41,641
Wichita, Kan.	70,722	52,450
Wilkesbarre, Pa.	76,776	67,105
Wilmington, Del.	94,265	87,411
Woonsocket, R. I.	44,360	38,125
Worcester, Mass.	163,314	145,986
Yonkers, N. Y.	99,838	79,803
York, Pa.	51,656	44,750
Youngstown, O.	108,385	79,066

THE LARGEST CITIES IN THE WORLD.

Cities in United States—From *Estimate* July 1, 1916, U. S. Govt.
Foreign Cities—Statesmen's Year Book and World Almanac, 1916.

New York	5,602,841	Los Angeles	503,812
London	4,522,964	Hyderabad	500,623
Paris	2,888,110	Lisbon	500,000
Chicago	2,497,722	Prague	500,000
Berlin	2,071,257	Santiago, Chili	500,000
Tokio, Japan	2,033,321	Rotterdam	472,520
Vienna	2,031,498	Mexico City	470,659
Petrograd	2,019,000	Montreal	470,480
Philadelphia	1,709,518	Buffalo	468,558
Buenos Ayres	1,700,000	San Francisco	463,516
Moscow	1,618,000	Sheffield	454,632
Osaka, Japan	1,387,366	Nagoya, Japan	447,951
Constantinople	1,300,000	Leeds	445,550
Warsaw	1,250,000	Kobe, Japan	440,766
Calcutta	1,222,313	Milwaukee	436,535
Rio Janeiro	1,100,000	Turin	427,106
Bombay	982,000	Hong Kong	417,400
Hamburg	953,079	Lodz, Poland	415,650
Buda-Pesth	900,000	Frankfort-on-Main	414,576
Canton	900,000	Cincinnati	410,476
Barcelona	850,230	Newark, N.J.	408,894
Sydney	800,000	Dublin	403,030
Tientsin	800,000	Sao Paulo, Brazil	400,000
Glasgow	784,496	Yokohama	396,101
St. Louis	757,309	Belfast	386,947
Boston	756,476	Stockholm	382,085
Liverpool	746,421	New Orleans	371,747
Naples	723,000	Riga	370,000
Manchester, Eng.	714,333	Montevideo	368,648
Peking	693,000	Washington	363,980
Cleveland	674,073	Minneapolis	363,454
Brussels	663,600	Dusseldorf	358,728
Cairo, Egypt	654,476	Bristol, Eng.	357,048
Shanghai	651,000	Havana	350,000
Bangkok	628,675	Palermo	341,088
Odessa	620,200	Bucharest	338,109
Madrid	620,000	Nuremberg	333,142
Amsterdam	609,084	Alexandria	332,246
Melbourne	600,160	Edinburgh	320,318
Milan	599,200	Antwerp	312,884
Munich	596,467	The Hague	312,430
Leipzig	589,850	Jersey City	306,345
Baltimore	589,621	Charlottenburg, Prussia	305,978
Pittsburgh	579,090	Hanover, Germany	302,375
Detroit	571,784	Essen, Germany	294,653
Copenhagen	559,398	West Ham, Eng.	289,030
Marseilles	550,619	Bradford	288,458
Dresden	550,565	Chemnitz	287,807
Rome	542,123	Stuttgart	286,218
Birmingham, Eng.	525,833	Teheran	280,000
Lyons	523,796	Hull	277,991
Madras	520,000	Genoa	272,221
Cologne	517,000	Newcastle	266,603
Breslau	512,105	Nottingham	259,904
Kioto, Japan	508,068	Lucknow	259,798
Kiev, Russia	505,060		

PRESIDENTS OF THE UNITED STATES.

NAMES.	Born.	Inaugurated.	Term of Office.	Died.	Native of	Residence when elected.	Political Party.
1 GEORGE WASHINGTON	Feb. 22, 1732	April 30, 1789	8 years.....	Dec. 14, 1799	Virginia.	Virginia.	Federal.
2 JOHN ADAMS.....	Oct. 31, 1735	Mar. 4, 1797	" " " " " "	July 4, 1826	Mass.	Mass.	"
3 THOMAS JEFFERSON...	April 2, 1743	" " " " " "	" " " " " "	" " " " " "	Virginia.	Virginia.	Republican.
4 JAMES MADISON.....	Mar. 16, 1751	" " " " " "	" " " " " "	June 28, 1836	" " " " " "	" " " " " "	"
5 JAMES MONROE.....	April 28, 1758	" " " " " "	" " " " " "	July 4, 1831	Mass.	Mass.	Coalition.
6 JOHN QUINCY ADAMS.	July 11, 1767	" " " " " "	" " " " " "	Feb. 23, 1848	Tennessee.	Tennessee.	Democrat.
7 ANDREW JACKSON	Mar. 15, 1767	" " " " " "	" " " " " "	June 8, 1845	New York.	New York.	"
8 MARTIN VAN BUREN .	Dec. 5, 1782	" " " " " "	" " " " " "	July 24, 1862	Ohio.	Ohio.	Whig.
9 WM. H. HARRISON ...	Feb. 9, 1773	" " " " " "	" " " " " "	April 4, 1841	Virginia.	Virginia.	Democrat.
10 JOHN TYLER.....	Mar. 29, 1790	April 6, 1841	1 month.....	Jan. 18, 1862	N. Carolina.	Tennessee.	Democrat.
11 JAMES K. POLK	Nov. 2, 1795	Mar. 4, 1845	3 yrs. 11 mos.	June 15, 1849	Virginia.	Louisiana.	Whig.
12 ZACHARY TAYLOR....	Sept. 24, 1784	" " " " " "	1 year 4 mos..	July 9, 1850	New York.	New York.	"
13 MILLARD FILLMORE..	Feb. 7, 1800	July 9, 1850	2 years 8 mos.	Mar. 7, 1874	N. Hamp.	N. Hamp.	Democrat.
14 FRANKLIN PIERCE....	Nov. 23, 1804	Mar. 4, 1853	4 years.....	Oct. 8, 1869	Penn.	Penn.	Republican.
15 JAMES BUCHANAN....	April 23, 1791	" " " " " "	" " " " " "	June 1, 1868	Kentucky.	Illinois.	"
16 ABRAHAM LINCOLN...	Feb. 12, 1809	" " " " " "	4 yrs. 40 days.	April 15, 1865	N. Carolina.	Tennessee.	"
17 ANDREW JOHNSON....	Dec. 29, 1808	April 15, 1865	3 yrs. 10 1/2 mos.	July 31, 1875	Ohio.	Illinois.	"
18 ULYSSES S. GRANT...	April 27, 1822	Mar. 4, 1869	8 years.....	July 23, 1885	" " " " " "	Ohio.	"
19 RUTHERF'D B. HAYES	Oct. 4, 1822	" " " " " "	" " " " " "	Jan. 17, 1893	" " " " " "	" " " " " "	"
20 JAMES A. GARFIELD..	Nov. 19, 1831	" " " " " "	6 1/2 months....	Sept. 19, 1881	Vermont.	New York.	Democrat.
21 CHESTER A. ARTHUR.	Oct. 5, 1830	Sept. 20, 1881	3 yrs. 5 1/2 mos.	Nov. 18, 1886	New Jersey.	" " " " " "	Republican.
22 GROVER CLEVELAND..	Mar. 18, 1837	Mar. 4, 1885	4 years.....	June 24, 1908	Ohio.	Indiana.	Democrat.
23 BENJAMIN HARRISON.	Aug. 20, 1833	" " " " " "	" " " " " "	Mar. 13, 1901	New Jersey.	New York.	Republican.
24 GROVER CLEVELAND..	Mar. 18, 1837	" " " " " "	" " " " " "	June 24, 1908	Ohio.	Ohio.	Republican.
25 WILLIAM MCKINLEY.	Jan. 29, 1843	" " " " " "	4 yrs. 6 1/2 mos.	Sept. 14, 1901	New York.	New York.	Republican.
26 THEODORE ROOSEVELT	Oct. 27, 1858	Sept. 14, 1901	7 yrs. 5 1/2 mos.	" " " " " "	Ohio.	Ohio.	Republican.
27 WM. HOWARD TAFT...	Sept. 15, 1857	Mar. 4, 1909	4 yrs.....	" " " " " "	Ohio.	New Jersey.	Democrat.
28 WOODROW WILSON...	Dec. 28, 1856	" " " " " "	" " " " " "	" " " " " "	Virginia.	" " " " " "	"

INTEREST TABLE.

FOUR PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	I	II
3 "	0	0	0	0	0	0	0	0	0	1	3 1/2	33
5 "	0	0	0	0	0	0	0	1	1	1	5 1/2	56
10 "	0	0	0	1	1	1	1	1	1	1	II	I II
1 Mo.	0	1	1	1 1/2	1 1/2	2	2 1/2	2 1/2	3	3 1/2	33	3 33
2 "	1	1 1/2	2	2 1/2	3 1/2	4	4 1/2	5 1/2	6	6 1/2	67	6 67
3 "	1	2	3	4	5	6	7	8	9	10	I 00	10 00
4 "	1 1/2	2 1/2	4	5 1/2	6 1/2	8	9 1/2	10 1/2	12	13 1/2	I 33	13 33
6 "	2	4	6	8	10	12	14	16	18	20	2 00	20 00
9 "	3	6	9	12	15	18	21	24	27	30	3 00	30 00
1 YR.	4	8	12	16	20	24	28	32	36	40	4 00	40 00

FIVE PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	I	14
3 "	0	0	0	0	0	0	0	0	0	0	4	42
5 "	0	0	0	0	0	0	0	1	1	1	7	69
10 "	0	0	0	0	1	1	1	1	1	1 1/2	14	I 39
1 Mo.	1	1	1	2	2	3	3	3	4	4	42	4 17
2 "	1	1 1/2	3	3	4	5	6	7	8	8	83	8 33
3 "	1	2 1/2	4	5	6	8	9	10	11	13	I 25	12 50
4 "	1 1/2	3	5	7	8	10	12	13	15	17	I 67	16 67
6 "	2 1/2	5	8	10	13	15	18	20	23	25	2 50	25 00
9 "	3 1/4	7 1/2	11	15	19	23	26	30	34	38	3 75	37 50
1 YR.	5	10	15	20	25	30	35	40	45	50	5 00	50 00

SIX PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	2	17
3 "	0	0	0	0	0	0	0	0	0	1	5	50
5 "	0	0	0	0	0	1	1	1	1	1	8	83
10 "	0	0	1	1	1	1	1	1	2	2	17	I 67
1 Mo.	1	1	2	2	3	3	4	4	5	5	50	5 00
2 "	1	2	3	4	5	6	7	8	9	10	I 00	10 00
3 "	1 1/2	3	5	6	8	9	11	12	14	15	I 50	15 00
4 "	2	4	6	8	10	12	14	16	18	20	2 00	20 00
6 "	3	6	9	12	15	18	21	24	27	30	3 00	30 00
9 "	4 1/2	9	14	18	23	27	32	36	41	45	4 50	45 00
1 YR.	6	12	18	24	30	36	42	48	54	60	6 00	60 00

INTEREST LAWS OF ALL THE STATES, AND DAYS OF GRACE.

STATES AND TERRITORIES.	DAYS OF GRACE.		RATES OF INTEREST.		STATUTES OF LIMITATIONS.		
	Notes.	Sight Drafts	Legal.	SPECIAL OR CONTRACT	Judgments. Years.	Notes. Years.	Open Accts. Years.
Alabama . . .	No	No	8	8 per ct.	20	6*	3
Alaska . . .	No	No	8	12 per ct.	10	6	6
Arizona . . .	No	No	6	10 per ct.	4	4	3
Arkansas . . .	No	No	6	10 per ct.	10	5	3
California . . .	No	No	7	No limit.	5	4	4
Colorado . . .	No	No	8	No limit.	20	6	6
Connecticut . . .	No	No	6	12 per ct.	(a)	(b)	6
Delaware . . .	No	No	6	6 per ct.	10	6†	3
Dist. of Columbia	No	No	6	10 per ct.	12	3	3
Florida . . .	No	No	8	10 per ct.	20	5	3
Georgia . . .	No	No	7	8 per ct.	7	6†	4
Hawaiian Isl'nds	No	No	8	12 per ct.	20	6	6
Idaho . . .	No	No	7	12 per ct.	6	5	4
Illinois . . .	No	No	5	7 per ct.	7	10	5
Indiana . . .	No	No	6	8 per ct.	20	10	6
Iowa . . .	No	No	6	8 per ct.	18†	10	5
Kansas . . .	No	No	6	10 per ct.	5	5	3
Kentucky . . .	No	No	6	6 per ct.	15	15	2
Louisiana . . .	No	No	5	8 per ct.	10	5	3
Maine . . .	No	Yes	6	No limit.	20	6-20	6
Maryland . . .	No	No	6	6 per ct.	12	3	3
Massachusetts . . .	No	Yes	6	No limit.	20	6	6
Michigan . . .	No	No	5	7 per ct.	10	6	6
Minnesota . . .	No	No	6	10 per ct.	10	6	6
Mississippi . . .	Yes	Yes	6	8 per ct.	7	6	3
Missouri . . .	No	No	6	8 per ct.	10	10	5
Montana . . .	No	No	8	12 per ct.	10	8	5
Nebraska . . .	No	No	7	10 per ct.	5	5	4
Nevada . . .	No	No	7	12 per ct.	6	6	4
New Hampshire . . .	No	Yes	6	6 per ct.	20	6	6
New Jersey . . .	No	No	6	6 per ct.	20	6	6
New Mexico . . .	No	No	6	12 per ct.	7	6	4
New York . . .	No	No	6	16 per ct.	20	6	6
North Carolina . . .	No	No	6	6 per ct.	10	3*	3
North Dakota . . .	No	No	6	10 per ct.	10	6	6
Ohio . . .	No	No	6	8 per ct.	5	15	6
Oklahoma . . .	No	No	6	10 per ct.	1-5	5	3
Oregon . . .	No	No	6	10 per ct.	10	6	6
Pennsylvania . . .	No	No	6	6 per ct.	5	6†	6
Philippine Isl'nds	No	No	6	No limit.	...	...	...
Porto Rico . . .	No	No	6	12 per ct.	5	3	3
Rhode Island . . .	No	Yes	6	No limit.	20	6	6
South Carolina . . .	No	No	7	8 per ct.	10	6	6
South Dakota . . .	No	No	7	12 per ct.	20	6	6
Tennessee . . .	No	No	6	6 per ct.	10	6	6
Texas . . .	Yes	Yes	6	10 per ct.	10	4	2
Utah . . .	No	No	8	12 per ct.	8	6	4
Vermont . . .	No	No	6	6 per ct.	6	6	6
Virginia . . .	No	No	6	6 per ct.	20	5*	5
Washington . . .	No	No	6	12 per ct.	6	6	3
West Virginia . . .	No	No	6	6 per ct.	10	10	5
Wisconsin . . .	No	No	6	10 per ct.	6-20	6	6
Wyoming . . .	No	No	8	12 per ct.	5	10	8

|| Any rate of interest on call loans of \$5,000 or upward, on collateral security.
 (a) No limit. (b) Negotiable notes, 6 years. * Under seal, 10 years.
 † Under seal, 20 years. ‡ In Courts of Record, 35 years.
 ¶ Over 6 per cent. cannot be collected by law.

WEIGHTS AND MEASURES.

MEASURE OF LENGTH.

4	In. = 1 Hand.	3	Feet = 1 Yard.
7.92	In. = 1 Link.	5½	Yds. = 1 Rod or Pole
18	In. = 1 Cubit.	40	Poles = 1 Furlong
12	In. = 1 Foot.	8	Fur. = 1 Mile.
6	Ft. = 1 Fathom.	69 1-6	Miles = 1 Degree.

60 Geographical Miles = 1 Degree.

1760 Yards } = 1 Mile.
5280 Feet }

MEASURE OF SURFACE.

144	Square Inches = 1 Square Foot.
9	Square Feet = 1 Square Yard.
30½	Square Yards = 1 Sq. Rod, Perch or Pole
40	Square Rods = 1 Square Rood.
4	Square Roods = 1 Acre.
	Gunter's Chain = 22 Yards or 100 Links.
10	Square Chains = 1 Acre.
640	Acres = 1 Square Mile.
272½	Square Feet = 1 Square Rod.
43,560	Square Feet = 1 Acre.

MEASURE OF SOLIDITY.

1728	Cubic Inches = 1 Cubic Foot.
27	Cubic Feet = 1 Cubic Yard.

AVOIRDUPOIS WEIGHT.

27½	Grains = 1 Drachm (dr.) or 27½ Grains
16	Drachms = 1 Ounce (oz.) or 437½ "
16	Ounces = 1 Pound (lb.) or 7000 "
28	Pounds = 1 Quarter (qr.).
4	Quarters = 1 Hundred-Weight (cwt)
20	Cwts. = 1 Ton.
2240	Pounds = 1 Ton.

TROY WEIGHT.

24	Grains = 1 Pennyweight, or 24 Grains.
20	Pennywts = 1 Ounce, or 480 "
12	Ounces = 1 Pound, or 5760 "

APOTHECARIES' WEIGHT.

20	Grains = 1 Scruple.	8	Drachms = 1 Ounce.
3	Scruples = 1 Drachm.	12	Ounces = 1 Pound.

DIAMOND WEIGHT.

16	Parts = 1 Grain (4-5ths Grain Troy.)
4	Grains = 1 Carat (3 1-5th Grains Troy.)

LIQUID MEASURE.

4	Gills = 1 Pint.	31½	Gallons = 1 Barrel.
2	Pints = 1 Quart.	54	Gallons = 1 Hhd.
4	Quarts = 1 Gallon.	252	Gallons = 1 Tun.

DRY MEASURE.

8	Quarts = 1 Peck.	8	Bushels = 1 Quarter.
4	Pecks = 1 Bushel.	36	Bushels = 1 Chaldron.
	1 Bushel = 2150.42 Cubic Inches.		

WEIGHT PER BUSHEL OF GRAIN, ETC.

The following Table shows the number of pounds per bushel required, by law or custom, in the sale of articles specified, in the several States of the Union.

STATES.	Barley.	Buckwheat.	Coal.	Corn, shel'd	Corn Meal.	Onions.	Oats.	Potatoes.	Rye.	Wheat.	Salt.	Turnips.	Beans, wh.	Clover S'd.	Timothy.
Maine.....	48	48	..	56	50	52	30	60	..	60	..	50	64	..	..
New Hampshire.....	..	..	..	56	50	..	30	60	56	60	..	..	60	..	..
Vermont.....	48	48	..	..	..	..	32	60	56	60	70	..	64	60	42
Massachusetts.....	48	48	..	56	50	52	32	60	56	60	..	..	..	..	..
Connecticut.....	..	45	..	56	..	..	32	60	56	56	..	..	..	..	..
New York.....	48	48	..	58	..	..	32	60	56	60	..	..	62	60	44
New Jersey.....	48	50	..	56	..	..	30	60	56	60	..	..	..	64	..
Pennsylvania.....	47	48	..	56	..	..	30	56	56	60	85	..	..	62	..
Delaware.....	..	..	..	56	..	..	..	..	..	60	..	..	..	..	..
Maryland.....	48	48	..	56	..	57	32	60	56	60	56	..	62	64	45
Dist. Columbia.....	47	48	..	56	48	57	32	56	56	60	50	55	62	60	45
Virginia.....	48	48	..	56	50	..	32	60	56	60	..	56	60	64	45
West Virginia.....	48	52	80	56	48	..	32	60	56	60	..	60	60	60	45
North Carolina.....	48	50	..	54	46	..	30	..	56	60	..	..	..	64	..
South Carolina.....	48	56	80	56	50	57	33	60	56	60	50	..	60	60	..
Georgia.....	40	..	80	56	48	57	35	56	..	60	56	..	..	60	45
Louisiana.....	32	..	..	56	..	..	32	..	..	60	..	..	..	..	..
Arkansas.....	48	52	80	56	50	57	32	60	56	60	50	..	60	60	45
Tennessee.....	48	50	..	56	50	56	32	60	56	60	..	..	60	..	45
Kentucky.....	48	52	..	56	50	57	33	56	56	60	50	..	60	60	45
Ohio.....	48	50	..	56	..	..	32	60	56	60	..	..	60	60	45
Michigan.....	48	48	80	56	..	54	32	60	56	60	56	58	60	60	45
Indiana.....	48	50	70	56	50	48	32	60	56	60	50	..	60	60	..
Illinois.....	48	52	..	56	48	57	32	60	56	60	50	..	60	60	..
Wisconsin.....	48	50	..	56	..	..	32	60	56	60	..	..	..	60	..
Minnesota.....	48	42	..	56	..	..	32	60	56	60	..	..	..	60	..
Iowa.....	48	52	..	56	..	57	33	60	56	60	50	..	60	60	45
Missouri.....	48	52	..	56	..	57	32	60	56	60	50	..	60	60	45
Kansas.....	50	50	..	56	50	57	32	60	56	60	50	55	60	..	45
Nebraska.....	48	52	..	56	50	57	34	60	56	60	50	55	60	60	45
California.....	50	40	..	52	..	..	32	..	54	60	..	..	..	..	..
Oregon.....	46	42	..	56	..	..	36	60	56	60	..	..	..	60	..

HELP! In Case of Accidents.

Drowning. 1. Loosen clothing, if any. 2. Empty lungs of water by laying body on its stomach and lifting it by the middle so that the head hangs down. Jerk the body a few times. 3. Pull tongue forward, using handkerchief, or pin with string, if necessary. 4. Imitate motion of respiration by alternately compressing and expanding the lower ribs, about twenty times a minute. Alternately raising and lowering the arms, from the sides up above the head will stimulate the action of the lungs. Let it be done gently but persistently. 5. Apply warmth and friction to extremities. 6. By holding tongue forward, closing the nostrils and pressing the "Adam's apple" back, (so as to close entrance to stomach) direct inflation may be tried. Take a deep breath and breathe it forcibly into the mouth of patient, compress the chest to expel the air, and repeat the operation. 7. **DON'T GIVE UP!** People have been saved after HOURS of patient, vigorous effort. 8. When breathing begins, get patient into a warm bed, give WARM drinks, or spirits in teaspoonfuls, fresh air and quiet.

Burns and Scalds. Cover with cooking soda and lay wet cloths over it. Whites of eggs and olive oil. Olive or linseed oil, plain or mixed with chalk or whiting.

Lightning. Dash cold water over a person struck.

Sunstroke. Loosen clothing. Get patient into shade and apply ice-cold water to head.

Mad Dog or Snake Bite. Tie cord tight above wound. Suck the wound and cauterize with caustic or white-hot iron at once, or cut out adjoining parts with a sharp knife.

Venomous Insects' Stings, etc. Apply weak ammonia, oil, salt water or iodine.

Fainting. Place flat on back; allow fresh air and sprinkle with water.

Electricity. Release from current, not touching body or wire with hands, metal or a wet stick. Handle body by its clothing, with rubber gloves and shoes if possible, if not, cover hands with dry woolen cloth, and stand on dry boards. Then induce artificial respiration as in a case of drowning. Rub limbs and massage body.

Tests of Death. Hold mirror to mouth. If living, moisture will gather. Push pin into flesh. If dead, the hole will remain, if alive, it will close up.

Cinders in the Eye. Roll soft paper up like a lamplighter and wet the tip to remove, or use a medicine dropper to draw it out. Rub the *other* eye.

Fire in one's Clothing. *Don't run* — especially not down stairs or out of doors. Roll on carpet, or wrap in woolen rug or blanket. Keep the head down so as not to inhale flame.

Fire in a Building. Crawl on the floor. The clearest air is the lowest in the room. Cover head with a woolen wrap, wet if possible. Cut holes for the eyes. *Don't get excited.*

Fire in Kerosene. *Don't use water*, it will spread the flames. Dirt, sand or flour is the best extinguisher; or smother with woolen rug, table-cloth or carpet.

Suffocation from Inhaling Burning-Gas. Get into the fresh air as soon as possible and lie down. Keep warm. Take Ammonia, — twenty drops to a tumbler of water, at frequent intervals.

ANTIDOTES FOR POISONS.

First. Send for a Physician.

Second. INDUCE VOMITING, by tickling throat with feather or finger, drinking hot water or strong Mustard and water. Swallow Sweet Oil or whites of Eggs.

Acids are antidotes for ALKALIES, and *vice versa*.



SPECIAL POISONS AND ANTIDOTES.

Acids. MURIATIC. OXALIC, }
ACETIC. SULPHURIC (Oil of Vit- } Soapsuds, Magnesia, Lime-water.
riol). NITRIC (Aqua Fortis). }

Prussic Acid. Ammonia in water. Dash water in face.

Carbolic Acid. Flour and water, mucilaginous drinks.

Alkalies. POTASH. LYE. }
HARTSHORN. AMMONIA. } Vinegar or Lemon juice in water.

Arsenic. }
Rat Poison. } Milk, raw Eggs, Sweet Oil, Lime-water, Flour
Paris Green. } and water.

Bug Poison. }
Lead. }
Saltpetre. } Whites of Eggs, or Milk in large doses.
Corrosive Sublimate. }
Sugar of Lead. }
Blue Vitriol. }

Chloroform. }
Chloral. } Dash cold water on head and chest. Artificial
Ether. } respiration. Piece of ice in rectum.

Carbonate of Soda. }
Copperas. Cobalt. } Soapsuds and mucilaginous drinks.

Iodine. }
Antimony. } Starch and water. Astringent infusions.
Tartar Emetic. } Strong tea.

Mercury AND ITS SALTS. Whites of Eggs. Milk. Mucilages.

Nitrate of Silver. }
Lunar Caustic. } Salt and water.

Opium. }
Morphine. }
Laudanum. } Strong coffee, hot bath. Keep awake and
Paregoric. } moving at any cost.
Soothing Powders }
or Syrups. }

Strychnine. }
Tinct. of Nux Vomica. } Mustard and water. Sulphate of Zinc.
Absolute quiet. Plug the ears.

LEGAL HOLIDAYS.

In most States when the holiday falls on Sunday the Monday following is observed.

Legal holidays in some States are observed as such only by common consent, or when appointed by the Governor, and not by legislative enactment.

ALABAMA—Jan. 1 and 19, Feb. 22, Mardi-Gras, Good Friday, April 13 and 26, June 3, July 4, Labor Day, Oct. 10 and 12, Thanksgiving, Dec. 25.
 ALASKA—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 18, Thanksgiving, Dec. 25, gen. election.
 ARIZONA—Jan. 1, Feb. 14 and 22, Arbor Day, May 30, July 4, Labor Day, Oct. 12, election day, Thanksgiving, Dec. 25.
 ARKANSAS—Jan. 1 and 19, Feb. 22, June 3, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election day.
 CALIFORNIA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Sept. 9, Oct. 12, Thanksgiving, Dec. 25, general election.
 COLORADO—Jan. 1, Feb. 12 and 22, May 30, July 4, Aug. 1, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
 CONNECTICUT—Jan. 1, Feb. 12 and 22, Fast Day, May 30, July 4, Labor Day, Oct. 12, Thanksg'g, Dec. 25.
 DELAWARE—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, Labor Day, Oct. 12, Thanksg'g, Dec. 25, election day.
 DISTRICT OF COLUMBIA—Jan. 1, Feb. 22, Inauguration Day, May 30, July 4, Labor Day, Thanksgiving, Dec. 25.
 FLORIDA—Jan. 1 and 19, Arbor Day, Feb. 22, Mardi-Gras, Good Friday, Apr. 26, June 3, July 4, Labor Day, T'ksg'g, Dec. 25, gen. elec.
 GEORGIA—Jan. 1 and 19, Feb. 22, April 26, June 3, July 4, Labor Day, Thanksgiving, Dec. 25.
 HAWAII—Jan. 1, Feb. 22, May 30, June 11, July 4, Labor Day, Regatta Day, election day, Thanksgiving, Dec. 25.
 IDAHO—Jan. 1, Feb. 22, May 30, June 15, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
 ILLINOIS—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election days.
 INDIANA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
 IOWA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, general election.
 KANSAS—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25.
 KENTUCKY—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
 LOUISIANA—Jan. 1 and 8, Feb. 22, Mardi-Gras in New Orleans, Good Friday, June 3, July 4, Labor Day, Nov. 1, Thanksgiving, Dec. 25, general election.
 MAINE—Jan. 1, Feb. 22, April 19, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
 MARYLAND—Jan. 1, Feb. 22, Mar. 25, Good Friday, May 30, July 4, Labor Day, Sept. 12, Oct. 12, Thanksgiving, Dec. 25, general election.
 MASSACHUSETTS—Jan. 1, Feb. 22, April 19, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25.
 MICHIGAN—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving Day, Dec. 25, election days.
 MINNESOTA—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, general election.

MISSISSIPPI—Jan. 1, Feb. 22, April 26, June 3, July 4, Labor Day, Thanksgiving, Dec. 25.
 MISSOURI—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election days.
 MONTANA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
 NEBRASKA—Jan. 1, Feb. 12 and 22, April 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25.
 NEVADA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12 and 31, Thanksgiving, Dec. 25, general election.
 NEW HAMPSHIRE—Jan. 1, Feb. 22, Fast Day, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, gen. election.
 NEW JERSEY—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, every Saturday p. m., general election.
 NEW MEXICO—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
 NEW YORK—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election, every Saturday p. m.
 NORTH CAROLINA—Jan. 1 and 19, Feb. 22, April 12, May 10 and 20, July 4, Labor Day, Thanksgiving, Dec. 25, election day.
 NORTH DAKOTA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, general election.
 OHIO—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election 12 M. to 5.30 P. M.
 OKLAHOMA—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election day.
 OREGON—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
 PENNSYLVANIA—Jan. 1, Feb. 12, spring election, Feb. 22, Good Friday, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election, every Saturday p. m.
 PORTO RICO—Jan. 1, Feb. 22, Mar. 22, Good Friday, May 30, July 4, July 25, Labor Day, Oct. 12, Thanksgiving, Christmas.
 RHODE ISLAND—Jan. 1, Feb. 22, Arbor Day, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, State election, general election, every Saturday p. m.
 SOUTH CAROLINA—Jan. 1 and 19, Feb. 22, May 10, June 3, July 4, Labor Day, Thanksgiving, Dec. 25, gen. election.
 SOUTH DAKOTA—Jan. 1, Feb. 12 and 22, May 30, Arbor Day, July 4, Labor Day, Thanksgiving, Dec. 25, general election.
 TENNESSEE—Jan. 1, Feb. 22, Good Friday, 2nd Friday in May, May 30, June 3, July 4, Labor Day, Thanksgiving, Dec. 25, general election, every Saturday p. m.
 TEXAS—Jan. 1, Feb. 22, Mar. 2, April 21, June 3, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election day.
 UTAH—Jan. 1, Feb. 12 and 22, April 15, May 30, July 4, July 24, Labor Day, Thanksgiving, Dec. 25.
 VERMONT—Jan. 1, Feb. 22, May 30, July 4, Aug. 16, Labor Day, Oct. 12, Thanksgiving, Dec. 25.
 VIRGINIA—Jan. 1 and 19, Feb. 22, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, every Saturday p. m., gen. election.
 WASHINGTON—Jan. 1, Feb. 12 and 22, Decoration Day, July 4, Labor Day, Oct. 12, T'ksg'g, Dec. 25, gen. elec., every Sat. p. m.
 WEST VIRGINIA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Dec. 25, Thanksgiving, gen. elec., every Sat. p. m.
 WISCONSIN—Jan. 1, Feb. 22, May 30, July 4, Labor Day, election 1st Tuesday in Sept., T'ksg'g, Dec. 25, general election.
 WYOMING—Jan. 1, Feb. 12 and 22, Arbor Day, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, general election.

RATE OF INCOME ON STOCKS.

Purchased at the following prices (par value being \$100), and bearing interest at the following rates.

Paid	2%	3%	4%	5%	6%	7%	8%	10%
\$50	4 00	6 00	8 00	10 00	12 00	14 00	16 00	20 00
52½	3 81	5 71	7 62	9 52	11 43	13 33	15 24	19 04
55	3 63	5 45	7 27	9 09	10 91	12 72	14 55	18 18
57½	3 48	5 22	6 96	8 70	10 43	12 17	13 91	17 40
60	3 33	5 00	6 67	8 33	10 00	11 67	13 33	16 66
62½	3 20	4 80	6 40	8 00	9 60	11 20	12 80	16 00
65	3 08	4 62	6 15	7 69	9 23	10 77	12 31	15 38
67½	2 96	4 44	5 93	7 41	8 89	10 37	11 85	14 82
70	2 86	4 29	5 71	7 14	8 57	10 00	11 43	14 28
72½	2 76	4 14	5 52	6 90	8 27	9 65	11 03	13 80
75	2 67	4 00	5 33	6 67	8 00	9 33	10 67	13 35
77½	2 58	3 87	5 16	6 45	7 74	9 03	10 32	12 90
80	2 50	3 75	5 00	6 25	7 50	8 75	10 00	12 50
82½	2 42	3 64	4 85	6 06	7 27	8 48	9 70	12 12
85	2 35	3 53	4 71	5 88	7 06	8 24	9 41	11 76
87½	2 29	3 43	4 57	5 71	6 86	8 00	9 14	11 42
90	2 22	3 33	4 44	5 56	6 67	7 78	8 89	11 11
92½	2 16	3 24	4 32	5 41	6 49	7 57	8 65	10 82
95	2 11	3 16	4 21	5 26	6 32	7 37	8 42	10 52
97½	2 05	3 08	4 10	5 13	6 15	7 18	8 21	10 26
100	2 00	3 00	4 00	5 00	6 00	7 00	8 00	10 00
102	1 96	2 94	3 92	4 90	5 88	6 86	7 84	9 80
104	1 92	2 88	3 85	4 81	5 77	6 73	7 69	9 62
106	1 88	2 83	3 77	4 72	5 66	6 60	7 55	9 44
108	1 85	2 78	3 70	4 63	5 56	6 48	7 41	9 26
110	1 82	2 73	3 64	4 55	5 45	6 36	7 27	9 10
115	1 74	2 61	3 48	4 35	5 22	6 09	6 96	8 69
120	1 67	2 50	3 33	4 17	5 00	5 83	6 67	8 33
125	1 60	2 40	3 20	4 00	4 80	5 60	6 40	8 00
130	1 54	2 31	3 08	3 85	4 62	5 38	6 15	7 70
135	1 48	2 22	2 96	3 70	4 44	5 19	5 93	7 40
140	1 43	2 14	2 86	3 57	4 29	5 00	5 71	7 14
145	1 38	2 07	2 76	3 45	4 14	4 83	5 52	6 90
150	1 33	2 00	2 67	3 33	4 00	4 67	5 33	6 66
155	1 29	1 94	2 58	3 23	3 87	4 52	5 16	6 46
160	1 25	1 87	2 50	3 12	3 75	4 37	5 00	6 25
165	1 21	1 82	2 42	3 03	3 64	4 24	4 85	6 06
170	1 18	1 76	2 35	2 94	3 53	4 12	4 71	5 88
175	1 14	1 71	2 29	2 86	3 43	4 00	4 57	5 72
180	1 11	1 67	2 22	2 78	3 33	3 89	4 44	5 55
185	1 08	1 62	2 16	2 70	3 24	3 78	4 32	5 40
190	1 05	1 58	2 11	2 63	3 16	3 68	4 21	5 26
195	1 03	1 54	2 05	2 56	3 08	3 59	4 10	5 12
200	1 00	1 50	2 00	2 50	3 00	3 50	4 00	5 00

BUSINESS LAW IN DAILY USE.

The following compilation of Business Law contains the essence of a large amount of legal verbiage:

A note by a minor is void.

It is a fraud to conceal a fraud.

A note made on Sunday is void.

Ignorance of the law excuses no one.

A contract made with a minor is void.

A contract made with a lunatic is void.

The acts of one partner bind all the rest.

Notes bear interest only when so stated.

An agreement without consideration is void.

A receipt for money is not always conclusive.

The law compels no one to do impossibilities.

Contracts made on Sunday cannot be enforced.

Signatures made with a lead pencil are good in law.

Principals are responsible for the acts of their agents.

No consideration is sufficient in law if it be illegal in its nature.

Checks or drafts must be presented for payment without unreasonable delay.

If the time of payment of a note is not inserted, it is held payable on demand.

A note obtained by fraud, or from a person in a state of intoxication, cannot be collected.

If the drawee of a check or draft has changed his residence, the holder must use due or reasonable diligence to find him.

A note indorsed in blank (the name of the indorser only written) is transferable by delivery, the same as if made payable to bearer.

Each individual in a partnership is responsible for the whole amount of the debts of the firm, except in cases of special partnership.

If a note is lost or stolen, it does not release the maker; he must pay it, if the consideration for which it was given and the amount can be proven.

Checks or drafts should be presented during business hours, but in this country, except in the case of banks, the time extends through the day and evening.

"Value received" is usually written in a note, and should be, but is not necessary. If not written it is presumed by the law, or may be supplied by proof.

If one who holds a check as payee or otherwise, transfers it to another, he has a right to insist that the check be presented that day, or, at farthest, on the day following.

The maker of an "accommodation" bill or note (one for which he has received no consideration, having lent his name or credit for the accommodation of the holder) is not bound to the person accommodated, but is bound to all other parties, precisely as if there was a good consideration.

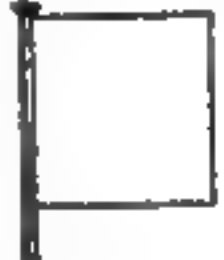


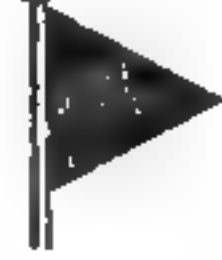

VALUES OF FOREIGN COINS.

The following estimate, by the Director of the Mint, of the values of Foreign Coins, is proclaimed by the Secretary of the Treasury, in pursuance of the provisions of section 25 of the Act of August 27, 1894, to be the values of such coins in terms of the money of account of the United States, to be followed in estimating the value of all foreign merchandise exported to the United States on or after January 1, 1917, expressed in any of such metallic currencies:

COUNTRY.	STANDARD.	MONETARY UNIT.	VALUE.
			D. C. M.
Argentine Rep.....	Gold	Peso	0 96 5
Austria-Hungary.....	Gold	Crown	0 20 3
Belgium.....	Gold	Franc	0 19 3
Bolivia.....	Gold	Boliviano	0 38 9
Brazil.....	Gold	Milreis	0 54 6
Canada.....	Gold	Dollar	1 0 0
Costa Rica.....	Gold	Colon	0 46 5
Chili.....	Gold	Peso	0 36 5
China.....	Silver	Tael.. { Shanghai..	0 81 4
		Haikwan..	0 90 7
		(Customs).	
Colombia.....	Gold	Dollar	1 0 0
Denmark.....	Gold	Crown	0 26 8
Ecuador.....	Gold	Sucre	0 48 7
Egypt.....	Gold	Pound (100 piastres)	4 94 3
Finland.....	Gold	Mark	0 19 3
France.....	Gold	Franc	0 19 3
German Empire.....	Gold	Mark	0 23 8
Great Britain.....	Gold	Pound sterling	4 86 6½
Greece.....	Gold	Drachma	0 19 3
Hayti.....	Gold	Gourde	0 96 5
India (British).....	Gold	Rupee	0 32 4
Italy.....	Gold	Lira	0 19 3
Japan.....	Gold	Yen	0 49 8½
Liberia.....	Gold	Dollar	1 0 0
Mexico.....	Gold	Peso	0 49 8½
Netherlands.....	Gold	Florin	0 40 2
Newfoundland.....	Gold	Dollar	1 1 4
Norway.....	Gold	Crown	0 26 8
Panama.....	Gold	Balboa	1 0 0
Persia.....	Gold	Kran	0 17 0
Peru.....	Gold	Libra	4 86 6½
Philippine Islds.....	Gold	Peso	0 50 0
Portugal.....	Gold	Escudo	1 8 1
Russia.....	Gold	Ruble	0 51 5
Spain.....	Gold	Peseta	0 19 3
Sweden.....	Gold	Crown	0 26 8
Switzerland.....	Gold	Franc	0 19 3
Turkey.....	Gold	Piaster	0 4 4
Uruguay.....	Gold	Peso	1 3 4
Venezuela.....	Gold	Bolivar	0 19 3

U.S. DEPARTMENT OF AGRICULTURE. WEATHER BUREAU.

INTERPRETATION OF SIGNALS.

No. 1.	No. 2.	No. 3.	No. 4.	No. 5.
White Flag	Blue Flag	White and Blue Flag	Black Triangular Flag	White Flag Black Center
				
Clear or Fair.	Rain or Snow.	Local Rain or Snow.	Temperature.	Cold Wave.

No. 1, alone, indicates fair weather, stationary temperature.
 No. 2, alone, indicates rain or snow, stationary temperature.
 No. 3, alone, indicates local rain or snow, stationary temperature.
 No. 1 with No. 4 above it, indicates fair weather, warmer.
 No. 1 with No. 4 below it, indicates fair weather, colder.
 No. 2 with No. 4 above it, indicates rain or snow, warmer.
 No. 2 with No. 4 below it, indicates rain or snow, colder.
 No. 3 with No. 4 above it, indicates local rain or snow, warmer.
 No. 3 with No. 4 below it, indicates local rain or snow, colder.

DISPLAY EXAMPLES.



TO FIND THE LENGTH OF DAY OR NIGHT.

At any time of the year add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising for the length of the day. Subtract the time of setting from 12 hours, and to the remainder add the time of rising next morning for the length of the night. These rules are equally true for apparent time.

STANDARD TIME.

IN this Almanac the risings and settings of the Sun and Moon are given in local mean time, as heretofore. The Tides are given in STANDARD TIME. Light face figures indicate A. M. time; heavy face P. M. time.

To change to STANDARD TIME add or subtract the *minutes* as given below, according as they are marked *plus* or *minus*.

Standard Time Divisions as adopted by the Railroads.

EASTERN STANDARD—75th Meridian. Canada, between Quebec and Detroit,—U. S. east of Buffalo, N. Y.; Pittsburg, Pa.; Wheeling and Huntington, W. Va.; Bristol, Tenn.; Charlotte, N. C., and Augusta, Ga.

CENTRAL STANDARD—90th Meridian. West from "Eastern" limits, as above, to Broadview, Canada; to the Missouri River in Dakota; North Platte and McCook, Nebraska; Wallace and Dodge City, Kansas; Toyah and Sanderson, Texas.

MOUNTAIN STANDARD—105th Meridian. West from "Central" limits to Heron, Montana; Ogden, Utah; Needles and Yuma, Arizona.

PACIFIC STANDARD—120th Meridian. West from "Mountain" limits to coast.

Correction for the following Cities.

Eastern Standard. 75° Longitude.		Central Standard. 90° Longitude.	
	Minutes.		Minutes.
Bangor, Me.....	— 25	Cleveland, Ohio.....	— 33
Augusta, Me.....	— 21	Columbus, Ohio.....	— 28
Portland, Me.....	— 19	Detroit, Mich.....	— 28
Boston, Mass.....	— 16	Toledo, Ohio.....	— 26
Newport, R. I.....	— 15	Dayton, Ohio.....	— 23
Providence, R. I.....	— 14	Cincinnati, Ohio.....	— 22
Concord, N. H.....	— 14	Louisville, Ky.....	— 18
New London, Conn.....	— 11	Indianapolis, Ind.....	— 16
Springfield, Mass.....	— 10	Chicago, Ill.....	— 10
Montpelier, Vt.....	— 10	Milwaukee, Wis.....	— 8
Hartford, Conn.....	— 9	Springfield, Ill.....	— 2
Montreal, Que.....	— 6	Memphis, Tenn.....	0
Albany, N. Y.....	— 5	New Orleans, La.....	0
New York, N. Y.....	— 4	St. Louis, Mo.....	+ 1
Utica, N. Y.....	+ 1	Rock Island, Ill.....	+ 3
Philadelphia, Pa.....	+ 1	Dubuque, Iowa.....	+ 3
Syracuse, N. Y.....	+ 5	Burlington, Iowa.....	+ 5
Baltimore, Md.....	+ 6	St. Paul, Minn.....	+ 12
Washington, D. C.....	+ 8	Des Moines, Iowa.....	+ 14
Rochester, N. Y.....	+ 11	Kansas City, Mo.....	+ 18
Buffalo, N. Y.....	+ 16	Galveston, Texas.....	+ 19
Pittsburg, Pa.....	+ 26	Omaha, Neb.....	+ 24

Mountain Standard. 105° Longitude.		Pacific Standard. 120° Longitude.	
Denver, Col.....	0	Sacramento, Cal.....	+ 6
Salt Lake City, Utah.....	+ 28	San Francisco, Cal.....	+ 10

TIDE TABLE.

To Find High Water (Standard Time) Add to, or Subtract from, High Water at New York.

(Computed by the U. S. Coast Survey.)

EASTERN STANDARD.			Mean Range.
	H.	M.	Feet.
Eastport, Me.....	add	2 37	18.2
Bar Harbor, Me.....	"	2 31	10.5
Rockland, Me.....	"	2 44	9.7
Portland, Me.....	"	2 52	8.9
Portsmouth, N. H.....	"	3 13	7.8
Isle of Shoals, N. H.....	"	3 1	8.7
Newburyport, Mass.....	"	3 23	7.8
Rockport, Mass.....	"	2 55	8.8
Gloucester, Mass.....	"	2 57	8.9
Salem, Mass.....	"	3 0	9.0
Marblehead, Mass.....	"	2 52	9.2
Nahant, Mass.....	"	2 59	9.1
Hull, Mass.....	"	3 2	9.0
Plymouth, Mass.....	"	3 4	9.6
Provincetown, Mass.....	"	3 3	9.2
Nantucket, Mass.....	"	4 4	3.1
Vineyard Haven, Mass.....	"	3 25	1.7
Wood's Hole, North Side, Mass.....	sub.	0 18	3.9
Wood's Hole, South Side, Mass.....	add	0 9	1.8
New Bedford Entrance (Dumpling Rock), Mass. }	sub.	0 26	3.7
Newport, R. I.....	"	0 31	3.5
Bristol, R. I.....	"	0 13	4.1
Providence, R. I.....	"	0 2	4.6
Point Judith, R. I.....	"	0 29	3.1
New Shoreham, Block Island, R. I.....	"	0 41	3.0
New London, Conn.....	add	1 14	2.5
Norwich, Conn.....	"	1 55	3.1
New Haven, Conn.....	"	3 0	6.0
Montauk Point, L. I.....	"	0 7	1.0
Coney Island, L. I.....	sub.	0 29	4.7
West Point, N. Y.....	add	3 2	2.8
Long Branch, N. J.....	sub.	0 43	4.3
Cape May City, N. J.....	"	0 10	4.6
League Island, Pa.....	add	5 26	5.4
Philadelphia, Pa.....	"	5 56	5.3
Annapolis, Md.....	sub.	3 12	0.9
Baltimore, Md.....	"	1 20	1.2
Richmond, Va.....	"	3 32	3.7
Hatteras Inlet, N. C.....	"	0 47	2.0
Charleston (C. H. Wharf), S. C.....	"	0 15	5.2

CENTRAL STANDARD.

Fort Pulaski (Savannah Ent.), Ga.....	sub.	1 18	6.9
Savannah (Dry Dock Wharf), Ga.....	"	0 23	6.5
Jacksonville, Fla.....	add	0 19	1.0
St. Augustine, Fla.....	sub.	0 14	4.2
Key West, Fla.....	add	0 47	1.2
Tampa Bay (Egmont Key), Fla.....	"	3 3	1.4
Cedar Keys (Depot Key), Fla.....	"	4 39	2.4

FESTIVALS AND FASTS.

Epiphany	Jan. 6
Septuagesima Sunday	Jan. 27
Quinquagesima—Shrove Sunday	Feb. 10
Ash Wednesday	Feb. 13
First Sunday in Lent	Feb. 17
St. Patrick	Mar. 17
Palm Sunday	Mar. 24
Good Friday	Mar. 29
Easter Sunday	Mar. 31
Low Sunday	April 7
Rogation Sunday	May 5
Ascension Day—Holy Thursday	May 9
Pentecost—Whit Sunday	May 19
Trinity Sunday	May 26
Corpus Christi	May 30
St. John Baptist	June 24
Michaelmas Day	Sept. 29
St. Andrew	Nov. 30
First Sunday in Advent	Dec. 1
Christmas Day	Dec. 25

CHRONOLOGICAL CYCLES.

Dominical Letter	F
Epact	17
Lunar Cycle, or Golden Number	19
Solar Cycle	23
Roman Indiction	I
Julian Period	6631

THE SEASONS.

Eastern Standard.			Central Standard.		
Vernal Equinox...	Mar. 21,	5h. M.	Mar. 21,	4h. M.	
Summer Solstice.....	June 22,	1h. M.	June 22,	oh. M.	
Autumnal Equinox.....	Sept. 23,	3h. A.	Sept. 23,	2h. A.	
Winter Solstice.	Dec. 22,	10h. M.	Dec. 22,	9h. M.	
Mountain Standard.			Pacific Standard.		
Vernal Equinox.....	Mar. 21,	3h. M.	Mar. 21,	2h. M.	
Summer Solstice.....	June 21,	11h. A.	June 21,	10h. A.	
Autumnal Equinox.....	Sept. 23,	1h. A.	Sept. 23,	oh. A.	
Winter Solstice.....	Dec. 22,	8h. M.	Dec. 22,	7h. M.	

MORNING STARS.

MERCURY.—About January 25, May 24 and September 18.
VENUS.—February 9 to November 23.
MARS.—Until March 15.
JUPITER.—June 15 to the end of the year.
SATURN.—Until January 31; August 11 to the end of the year.

EVENING STARS.

MERCURY.—About April 7, August 5 and November 29.
VENUS.—Until February 9; November 23 to the end of the year.
MARS.—March 15 to the end of the year.
JUPITER.—Until June 15.
SATURN.—January 31 to August 11.

ECLIPSES FOR THE YEAR.

In the year 1918 there will be three Eclipses, two of the Sun and one of the Moon.

I. A TOTAL ECLIPSE OF THE SUN, June 8. Visible to North America, the extreme northwestern corner of South America, and the northeastern part of Asia. The path of totality extending diagonally across the United States from Astoria, Oregon, to Orlando, Florida. Occurring as follows:

	Standard	Begins	Ends
		h. m.	h. m.
Boston.....	Eastern	5 31 A.	7 12 A.
New York.....	"	5 32 A.	7 16 A.
Philadelphia.....	"	5 32 A.	7 18 A.
Pittsburg.....	"	5 30 A.	7 20 A.
Washington.....	"	5 33 A.	7 21 A.
Charleston.....	"	5 40 A.	Soon after sunset
Cincinnati.....	Central	4 30 A.	6 24 A.
Chicago.....	"	4 24 A.	6 22 A.
St. Paul.....	"	4 16 A.	6 18 A.
Omaha.....	"	4 19 A.	6 25 A.
St. Louis.....	"	4 27 A.	6 27 A.
Jackson.....	"	4 35 A.	6 35 A.
Orlando.....	"	4 44 A.	After sunset
New Orleans.....	"	4 38 A.	6 37 A.
Bismarck.....	Mountain	3 7 A.	5 16 A.
Denver.....	"	3 12 A.	5 27 A.
Salt Lake City.....	"	3 1 A.	5 24 A.
San Francisco.....	Pacific	1 49 A.	4 21 A.
Portland.....	"	1 38 A.	4 11 A.
Astoria.....	"	1 36 A.	4 8 A.

II. A PARTIAL ECLIPSE OF THE MOON, June 24. Visible to Australia and the Pacific Ocean. The beginning visible to North America except the northeastern portion, and South America except the eastern portion; the ending visible to southwestern North America, and western and southern South America. Occurring as follows:

Standard	Eastern	Central	Mountain	Pacific
	h. m.	h. m.	h. m.	h. m.
Moon enters penumbra..	3 9 M.	2 9 M.	1 9 M.	0 9 M.
Moon enters shadow....	4 46 M.	3 46 M.	2 46 M.	1 46 M.
Middle of eclipse	Invisible	4 28 M.	3 28 M.	2 28 M.
Moon leaves shadow....	"	Invisible	4 10 M.	3 10 M.
Moon leaves penumbra..	"	"	Invisible	4 47 M.

First contact of shadow, 28 degrees from the south point of the Moon's limb toward the east.

Magnitude of eclipse, 0.133 (Moon's diameter, 1.0).

III. AN ANNULAR ECLIPSE OF THE SUN, December 3. Invisible to the United States. Visible to South America except the northern portion, southern Africa, and the extreme southern edge of Mexico.

The Calendars for the Latitude of Boston and Chicago

May be used for Central and Southern New England, Central New York, Southern Michigan, Southern Wisconsin, Northern Iowa, Northern Nebraska, South Dakota, and Wyoming.

The Calendars for the Latitude of New York and Philadelphia

May be used for Southern New York, New Jersey, Pennsylvania, Northern Ohio, Northern Indiana, Northern Illinois, Southern Iowa, and Southern Nebraska.

The Calendars for the Latitude of Washington, Cincinnati, etc.

May be used for Delaware, Maryland, the Virginias, Southern Ohio, Southern Indiana, Southern Illinois, Kentucky, Missouri, Kansas, and Colorado.

THE SIZE OF THE SEAS.

	Miles Long
Mediterranean.....	2,000
Caribbean.....	1,800
Red	1,400
Black.....	932
Baltic.....	600

AREA OF OCEANS IN SQUARE MILES.

Pacific	70,000,000
Atlantic.....	35,000,000
Indian	23,000,000
Southern	7,000,000
Arctic.....	4,000,000





SIZE OF THE GREAT LAKES.

	Miles Long.	Miles Wide.
Superior	380	120
Michigan.....	330	60
Ontario	170	40
Champlain	123	12
Erie	270	50
Huron.....	250	90
Winnipeg	240	40
Athabaska	200	20



JANUARY

MOON'S PHASES. (In Standard Time.)				EASTERN DIVISION.				CENTRAL DIVISION.			
LAST QUARTER.....				5d.	6h.	50m.	A.M.	5d.	5h.	50m.	A.M.
NEW MOON				12d.	5h.	36m.	P.M.	12d.	4h.	36m.	P.M.
FIRST QUARTER				19d.	9h.	38m.	A.M.	19d.	8h.	38m.	A.M.
FULL MOON				26d.	10h.	14m.	P.M.	26d.	9h.	14m.	P.M.

1918		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.	
D.ofM.	Day of W'k.	Local Mean Time.		Boston Tide.	Morning	Local Mean Time.		N. Y. Tide.	Morning	Local Mean Time.	
		SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.
1	TU.	r7 30	9 11	1 45		r7 24	9 12	10 34		r7 19	9 15
2	WE.	s4 39	10 11	2 27		s4 44	10 11	11 11		s4 49	10 12
3	TH.	r7 30	11 10	3 10		r7 25	11 9	11 47		r7 19	11 9
4	FR.	s4 40	morn	3 55		s4 45	morn	0 43		s4 51	morn
5	SA.	r7 30	0 10	4 43		r7 25	0 8	1 31		r7 19	0 7
6		s4 42	1 11	5 31		s4 47	1 8	2 23		s4 52	1 6
7	MO.	r7 30	2 14	6 21		r7 25	2 10	3 17		r7 19	2 7
8	TU.	s4 44	3 17	7 13		s4 49	3 12	4 10		s4 54	3 8
9	WE.	r7 29	4 20	8 5		r7 25	4 15	5 0		r7 19	4 9
10	TH.	s4 46	5 22	8 55		s4 51	5 16	5 46		s4 56	5 10
11	FR.	r7 29	6 17	9 45		r7 24	6 11	6 31		r7 19	6 6
12	SA.	s4 48	sets	10 33		s4 53	sets	7 15		s4 58	sets
13		r7 28	6 4	11 23		r7 24	6 7	7 59		r7 18	6 12
14	MO.	s4 50	7 20	.....		s4 55	7 22	8 44		s5 0	7 26
15	TU.	r7 28	8 36	0 41		r7 23	8 37	9 30		r7 18	8 39
16	WE.	s4 53	9 51	1 31		s4 58	9 51	10 18		s5 2	9 51
17	TH.	r7 27	11 5	2 22		r7 22	11 3	11 11		r7 17	11 3
18	FR.	s4 55	morn	3 14		s5 0	morn	.....		s5 5	morn
19	SA.	r7 25	0 18	4 10		r7 21	0 15	1 2		r7 16	0 13
20		s4 58	1 30	5 8		s5 2	1 26	2 9		s5 7	1 22
21	MO.	r7 24	2 39	6 9		r7 20	2 34	3 18		r7 15	2 29
22	TU.	s5 0	3 44	7 9		s5 4	3 38	4 22		s5 9	3 33
23	WE.	r7 23	4 43	8 10		r7 19	4 37	5 19		r7 14	4 31
24	TH.	s5 3	5 33	9 7		s5 7	5 27	6 11		s5 11	5 22
25	FR.	r7 21	6 14	9 57		r7 17	6 9	6 57		r7 13	6 4
26	SA.	s5 5	rises	10 45		s5 9	rises	7 39		s5 13	rises
27		r7 20	5 58	11 27		r7 16	6 1	8 17		r7 12	6 4
28	MO.	s5 8	6 59	.....		s5 12	7 1	8 52		s5 16	7 3
29	TU.	r7 18	7 59	0 36		r7 14	8 0	9 25		r7 10	8 1
30	WE.	s5 10	8 59	1 14		s5 14	8 59	9 56		s5 18	8 59
31	TH.	r7 17	9 59	1 54		r7 12	9 57	10 24		r7 8	9 57



FEBRUARY

MOON'S PHASES. (In Standard Time.)	EASTERN DIVISION.			CENTRAL DIVISION		
LAST QUARTER.....	4d.	2h.	52m. A.M.	4d.	1h.	52m. A.M.
NEW MOON.....	11d.	5h.	5m. A.M.	11d.	4h.	5m. A.M.
FIRST QUARTER.....	17d.	7h.	57m. P.M.	17d.	6h.	57m. P.M.
FULL MOON.....	25d.	4h.	35m. P.M.	25d.	3h.	35m. P.M.

1918		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.	
D. of M.	Day of W'k.	Local Mean Time.		Boston Tide. Stand. Time.	Morning.	Local Mean Time.		N. Y. Tide. Stand. Time.	Morning.	Local Mean Time.	
		SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.
1	FR.	r7 15	10 58	2 33		r7 11	10 55	10 57		r7 8	10 55
2	SA.	s5 14	11 59	3 15		s5 18	11 55	11 32		s5 22	11 53
3	S	r7 13	morn	3 59		r7 10	morn	0 12		r7 6	morn
4	MO.	s5 17	1 0	4 46		s5 20	0 56	1 4		s5 24	0 51
5	TU.	r7 11	2 2	5 38		r7 7	1 57	2 7		r7 4	1 51
6	WE.	s5 19	3 4	6 33		s5 23	2 58	3 18		s5 26	2 52
7	TH.	r7 9	4 1	7 29		r7 5	3 55	4 24		r7 2	3 49
8	FR.	s5 22	4 52	8 24		s5 25	4 47	5 21		s5 28	4 41
9	SA.	r7 6	5 37	9 18		r7 3	5 32	6 13		r7 0	5 28
10	S	s5 25	6 15	10 10		s5 28	6 12	7 1		s5 31	6 9
11	MO.	r7 4	sets	11 2		r7 1	sets	7 47		r6 58	sets
12	TU.	s5 27	7 28	11 52		s5 30	7 28	8 33		s5 33	7 29
13	WE.	r7 1	8 46	0 20		r6 58	8 45	9 20		r6 55	8 45
14	TH.	s5 30	10 2	1 9		s5 32	10 0	10 8		s5 35	9 58
15	FR.	r6 58	11 17	2 0		r6 56	11 13	11 0		r6 53	11 11
16	SA.	s5 32	morn	2 52		s5 35	morn	11 57		s5 38	morn
17	S	r6 56	0 29	3 47		r6 53	0 24	0 39		r6 50	0 20
18	MO.	s5 35	1 36	4 44		s5 37	1 31	1 48		s5 40	1 25
19	TU.	r6 53	2 37	5 45		r6 50	2 31	2 59		r6 48	2 25
20	WE.	s5 37	3 30	6 48		s5 40	3 24	4 5		s5 42	3 19
21	TH.	r6 50	4 14	7 50		r6 48	4 9	5 5		r6 45	4 4
22	FR.	s5 40	4 51	8 48		s5 42	4 47	5 57		s5 44	4 43
23	SA.	r6 47	5 22	9 39		r6 45	5 19	6 41		r6 43	5 16
24	S	s5 43	5 50	10 24		s5 45	5 47	7 20		s5 46	5 46
25	MO.	r6 44	rises	11 5		r6 42	rises	7 56		r6 40	rises
26	TU.	s5 45	6 50	11 44		s5 47	6 50	8 28		s5 49	6 51
27	WE.	r6 41	7 50	0 6		r6 39	7 49	8 59		r6 37	7 49
28	TH.	s5 47	8 49	0 42		s5 49	8 47	9 25		s5 51	8 46
...
...
...



MARCH

MOON'S PHASES. (In Standard Time.)	EASTERN DIVISION.			CENTRAL DIVISION.		
LAST QUARTER.....	5d.	7h.	44m. P.M.	5d.	6h.	44m. P.M.
NEW MOON.....	12d.	2h.	52m. P.M.	12d.	1h.	52m. P.M.
FIRST QUARTER.....	19d.	8h.	30m. A.M.	19d.	7h.	30m. A.M.
FULL MOON.....	27d.	10h.	33m. A.M.	27d.	9h.	33m. A.M.

1918		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.	
D. of M.	Day of W'k.	Local Mean Time.		Boston Tide. Stand. Time.	Morning.	Local Mean Time.		N. Y. Tide. Stand. Time.	Morning.	Local Mean Time.	
		SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.
1	FR.	r6 38	9 50	1 20		r6 36	9 47	9 50		r6 34	9 45
2	SA.	s5 50	10 51	1 58		s5 51	10 47	10 19		s5 53	10 44
3	S	r6 34	11 51	2 37		r6 33	11 46	10 54		r6 31	11 42
4	MO.	s5 52	morn	3 20		s5 54	morn	11 36		s5 55	morn
5	TU.	r6 31	0 51	4 8		r6 30	0 46	0 9		r6 29	0 40
6	WE.	s5 55	1 49	5 1		s5 56	1 43	1 7		s5 57	1 37
7	TH.	r6 28	2 41	5 58		r6 27	2 36	2 21		r6 26	2 30
8	FR.	s5 57	3 27	6 57		s5 58	3 22	3 43		s5 59	3 17
9	SA.	r6 24	4 8	7 56		r6 24	4 4	4 52		r6 23	4 0
10	S	s5 59	4 44	8 53		s6 0	4 41	5 50		s6 1	4 39
11	MO.	r6 21	5 15	9 48		r6 20	5 13	6 42		r6 20	5 13
12	TU.	s6 2	sets	10 40		s6 2	sets	7 31		s6 3	sets
13	WE.	r6 18	7 35	11 31		r6 17	7 33	8 19		r6 16	7 32
14	TH.	s6 4	8 54	.....		s6 5	8 51	9 7		s6 5	8 49
15	FR.	r6 14	10 10	0 46		r6 14	10 6	9 56		r6 13	10 2
16	SA.	s6 6	11 22	1 37		s6 7	11 17	10 47		s6 7	11 12
17	S	r6 11	morn	2 28		r6 11	morn	11 43		r6 10	morn
18	MO.	s6 9	0 27	3 23		s6 9	0 21	0 15		s6 9	0 16
19	TU.	r6 7	1 24	4 20		r6 7	1 18	1 23		r6 7	1 13
20	WE.	s6 11	2 12	5 21		s6 11	2 7	2 34		s6 11	2 1
21	TH.	r6 4	2 52	6 24		r6 4	2 47	3 42		r6 4	2 43
22	FR.	s6 13	3 25	7 25		s6 13	3 21	4 42		s6 13	3 19
23	SA.	r6 0	3 53	8 22		r6 1	3 50	5 32		r6 1	3 48
24	S	s6 15	4 18	9 13		s6 15	4 16	6 16		s6 15	4 15
25	MO.	r5 57	4 41	9 57		r5 57	4 40	6 55		r5 58	4 40
26	TU.	s6 13	5 5	10 38		s6 17	5 5	7 31		s6 17	5 6
27	WE.	r5 53	rises	11 17		r5 54	rises	8 3		r5 54	rises
28	TH.	s6 20	7 42	11 52		s6 19	7 39	8 32		s6 19	7 37
29	FR.	r5 50	8 43	0 11		r5 51	8 39	8 58		r5 51	8 36
30	SA.	s6 22	9 44	0 47		s6 21	9 39	9 24		s6 20	9 35
31	S	r5 46	10 44	1 25		r5 47	10 39	9 53		r5 48	10 33



APRIL

MOON'S PHASES.
(In Standard Time.)

LAST QUARTER.....
NEW MOON.....
FIRST QUARTER.....
FULL MOON.....

EASTERN DIVISION.

4d. 8h. 33m. A.M.
10d. 11h. 34m. P.M.
17d. 11h. 8m. P.M.
26d. 3h. 5m. A.M.

CENTRAL DIVISION.

4d. 7h. 33m. A.M.
10d. 10h. 34m. P.M.
17d. 10h. 8m. P.M.
26d. 2h. 5m. A.M.

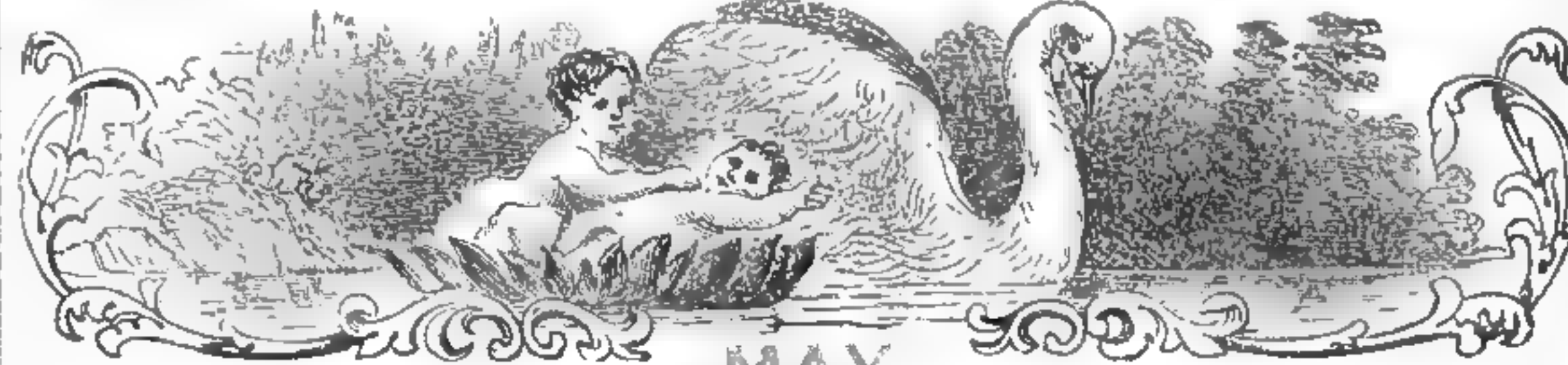
1918

LATITUDE OF BOSTON
AND CHICAGO.

LATITUDE OF NEW YORK
AND PHILADELPHIA.

LAT. OF WASH.
CIN. & ST. LOUIS.

D. of M.	Day of W'k.	Local Mean Time.		Boston Tide.	Morning.	Local Mean Time.		N. Y. Tide.	Morning.	Local Mean Time.		Sun	Moon
		SUN	MOON			SUN	MOON			SUN	MOON	R. & S.	R. & S.
1	Mo.	5 45	11 42	2	5	5 45	11 36	10	30	5 47	11 31		
2	Tu.	6 26	morn	2	48	6 24	morn	11	13	6 23	morn		
3	We.	5 41	0 35	3	36	5 42	0 29	.....		5 44	0 24		
4	Th.	6 28	1 21	4	30	6 27	1 16	0	31	6 25	1 11		
5	Fr.	5 38	2 2	5	29	5 39	1 58	1	41	5 40	1 53		
6	Sa.	6 30	2 39	6	30	6 29	2 36	3	3	6 27	2 33		
7	S	5 34	3 12	7	30	5 36	3 10	4	20	5 37	3 9		
8	Mo.	6 32	3 42	8	29	6 31	3 41	5	25	6 29	3 41		
9	Tu.	5 31	4 11	9	25	5 32	4 11	6	21	5 34	4 13		
10	We.	6 34	sets	10	20	6 33	sets	7	13	6 31	sets		
11	Th.	5 28	7 40	11	12	5 29	7 36	8	4	5 31	7 34		
12	Fr.	6 37	8 57	.....		6 35	8 52	8	53	6 33	8 48		
13	Sa.	5 24	10 9	0	23	5 26	10 4	9	43	5 28	9 58		
14	S	6 39	11 12	1	14	6 37	11 6	10	36	6 35	11 1		
15	Mo.	5 21	morn	2	5	5 23	11 59	11	32	5 25	11 54		
16	Tu.	6 41	0 5	2	59	6 39	morn	.....		6 37	morn		
17	We.	5 18	0 49	3	55	5 20	0 44	0	55	5 22	0 39		
18	Th.	6 44	1 26	4	53	6 41	1 22	2	1	6 39	1 18		
19	Fr.	5 15	1 56	5	53	5 17	1 53	3	6	5 19	1 51		
20	Sa.	6 46	2 22	6	51	6 43	2 20	4	5	6 41	2 19		
21	S	5 12	2 46	7	46	5 14	2 45	4	57	5 17	2 45		
22	Mo.	6 48	3 9	8	37	6 45	3 9	5	43	6 43	3 10		
23	Tu.	5 8	3 31	9	23	5 11	3 32	6	24	5 14	3 34		
24	We.	6 50	3 55	10	7	6 47	3 57	7	1	6 44	4 0		
25	Th.	5 5	4 21	10	47	5 8	4 24	7	35	5 11	4 28		
26	Fr.	6 52	rises	11	24	6 49	rises	8	6	6 46	rises		
27	Sa.	5 2	8 37	.....		5 5	8 32	8	36	5 9	8 27		
28	S	6 54	9 35	0	17	6 51	9 30	9	5	6 48	9 24		
29	Mo.	5 0	10 29	0	57	5 3	10 23	9	37	5 6	10 18		
30	Tu.	6 57	11 18	1	39	6 53	11 13	10	15	6 50	11 7		



MAY

MOON'S PHASES.
(In Standard Time.)

LAST QUARTER.....
NEW MOON.....
FIRST QUARTER.....
FULL MOON.....

EASTERN DIVISION.

3d. 5h. 26m. P.M.
10d. 8h. 1m. A.M.
17d. 3h. 14m. P.M.
25d. 5h. 32m. P.M.

CENTRAL DIVISION.

3d. 4h. 26m. P.M.
10d. 7h. 1m. A.M.
17d. 2h. 14m. P.M.
25d. 4h. 32m. P.M.

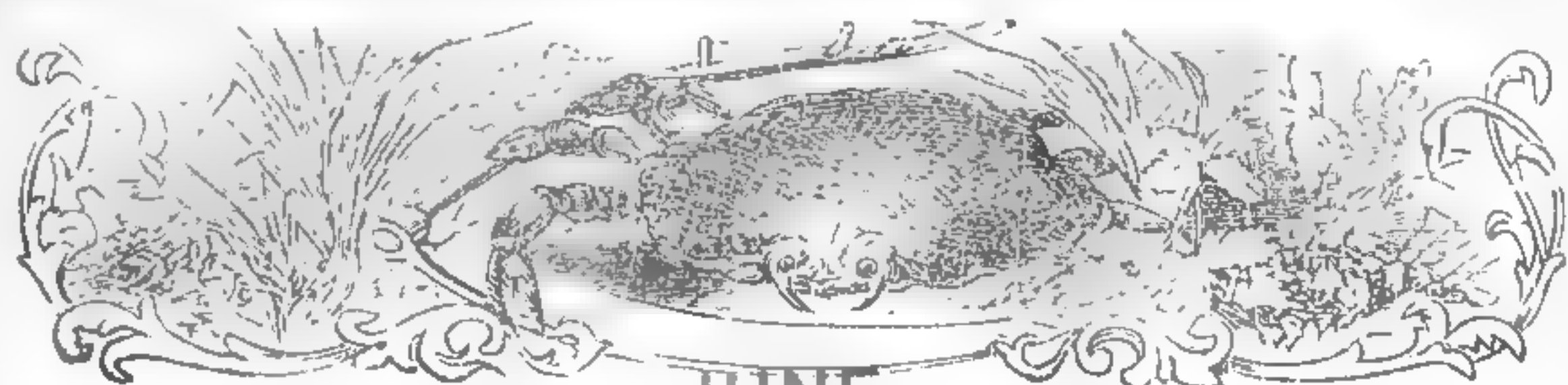
1918

LATITUDE OF BOSTON
AND CHICAGO.

LATITUDE OF NEW YORK
AND PHILADELPHIA.

LAT. OF WASH.
CIN. & ST. LOUIS.

D. of M.	Day of W'k.	Local Mean Time.		Boston Tide.	Morning.	Local Mean Time.		N. Y. Tide.	Morning.	Local Mean Time.		Sun	Moon
		SUN	MOON			SUN	MOON			SUN	MOON	R. & S.	R. & S.
1	We.	4 57	morn	2	23	5 0	11 56	11	0	5 4	11 52		
2	Th.	6 59	0 1	3	12	6 55	morn	11	54	6 52	morn		
3	Fr.	4 54	0 38	4	6	4 58	0 34	0	9	5 1	0 32		
4	Sa.	7 1	1 11	5	5	6 58	1 8	1	14	6 54	1 7		
5	S	4 51	1 41	6	5	4 55	1 40	2	30	4 59	1 39		
6	Mo.	7 3	2 10	7	6	7 0	2 10	3	48	6 56	2 11		
7	Tu.	4 49	2 40	8	6	4 53	2 41	4	58	4 57	2 43		
8	We.	7 6	3 12	9	2	7 2	3 14	5	58	6 58	3 18		
9	Th.	4 46	3 47	9	57	4 50	3 51	6	55	4 54	3 55		
10	Fr.	7 8	sets	10	51	7 4	sets	7	49	7 0	sets		
11	Sa.	4 44	8 53	11	46	4 48	8 48	8	40	4 52	8 42		
12	S	7 10	9 52	0	2	7 6	9 47	9	31	7 1	9 41		
13	Mo.	4 42	10 41	0	52	4 46	10 36	10	23	4 50	10 31		
14	Tu.	7 12	11 21	1	44	7 8	11 17	11	16	7 3	11 13		
15	We.	4 40	11 55	2	35	4 44	11 52	.....		4 48	11 49		
16	Th.	7 14	morn	3	27	7 10	morn	0	23	7 5	morn		
17	Fr.	4 38	0 24	4	21	4 42	0 22	1	19	4 47	0 20		
18	Sa.	7 16	0 49	5	16	7 12	0 48	2	17	7 7	0 47		
19	S	4 36	1 12	6	10	4 40	1 12	3	15	4 45	1 12		
20	Mo.	7 18	1 35	7	5	7 14	1 36	4	10	7 9	1 37		
21	Tu.	4 34	1 59	7	57	4 38	2 1	5	0	4 43	2 3		
22	We.	7 20	2 24	8	46	7 15	2 27	5	45	7 10	2 30		
23	Th.	4 32	2 51	9	32	4 37	2 55	6	26	4 42	2 59		
24	Fr.	7 22	3 23	10	16	7 17	3 27	7	5	7 12	3 33		
25	Sa.	4 30	rises	10	59	4 35	rises	7	41	4 41	rises		
26	S	7 24	8 26	11	40	7 19	8 20	8	16	7 14	8 15		
27	Mo.	4 29	9 17	.....		4 34	9 12	8	51	4 39	9 6		
28	Tu.	7 26	10 1	0	33	7 21	9 56	9	28	7 15	9 51		
29	We.	4 28	10 40	1	16	4 33	10 36	10	9	4 38	10 32		
30	Th.	7 27	11 14	2	2	7 22	11 11	10	55	7 17	11 9		
31	Fr.	4 27	11 44	2	52	4 32	11 42	11	48	4 37	11 42		



JUNE

MOON'S PHASES. (In Standard Time.)

LAST QUARTER.....	1d. 11h. 20m. P.M.	1d. 10h. 20m. P.M.
NEW MOON.....	8d. 5h. 3m. P.M.	8d. 4h. 3m. P.M.
FIRST QUARTER.....	16d. 8h. 12m. A.M.	16d. 7h. 12m. A.M.
FULL MOON.....	24d. 5h. 38m. A.M.	24d. 4h. 38m. A.M.

EASTERN DIVISION.

CENTRAL DIVISION.

1918

LATITUDE OF BOSTON AND CHICAGO.

LATITUDE OF NEW YORK AND PHILADELPHIA.

LAT. OF WASH. CIN. & ST. LOUIS.

D. of M.	Day of W'k.	Local Mean Time.		Boston Tide. Stand. Time.	Morning.	Local Mean Time.		N. Y. Tide. Stand. Time.	Morning.	Local Mean Time.	
		SUN R. & S.	MOON R. & S.			SUN R. & S.	MOON R. & S.			SUN R. & S.	MOON R. & S.
1	SA.	r4 26	morn	3 45	r4 31	morn	.....	r4 37	morn	.....	.....
2	S	s7 30	0 13	4 43	s7 24	0 12	0 55	s7 19	0 13	.....	.....
3	Mo.	r4 25	0 41	5 44	r4 30	0 42	2 4	r4 36	0 43	.....	.....
4	Tu.	s7 31	1 11	6 46	s7 26	1 13	3 20	s7 20	1 16	.....	.....
5	We.	r4 24	1 43	7 46	r4 30	1 46	4 33	r4 35	1 50	.....	.....
6	Th.	s7 33	2 20	8 46	s7 27	2 24	5 39	s7 22	2 29	.....	.....
7	Fr.	r4 24	3 5	9 43	r4 29	3 10	6 39	r4 35	3 16	.....	.....
8	SA.	s7 34	sets	10 37	s7 28	sets	7 34	s7 23	sets	.....	.....
9	S	r4 23	8 30	11 29	r4 29	8 25	8 26	r4 34	8 19	.....	.....
10	Mo.	s7 35	9 15	.....	s7 30	9 10	9 17	s7 24	9 6	.....	.....
11	Tu.	r4 22	9 52	0 32	r4 28	9 48	10 7	r4 34	9 45	.....	.....
12	We.	s7 36	10 23	1 21	s7 31	10 20	10 55	s7 25	10 18	.....	.....
13	Th.	r4 22	10 50	2 9	r4 28	10 48	11 43	r4 34	10 47	.....	.....
14	Fr.	s7 37	11 14	2 57	s7 32	11 13	.....	s7 26	11 13	.....	.....
15	SA.	r4 22	11 37	3 46	r4 28	11 37	0 34	r4 34	11 38	.....	.....
16	S	s7 38	morn	4 37	s7 32	morn	1 22	s7 27	morn	.....	.....
17	Mo.	r4 22	0 0	5 30	r4 28	0 1	2 14	r4 34	0 3	.....	.....
18	Tu.	s7 39	0 24	6 22	s7 33	0 26	3 9	s7 27	0 29	.....	.....
19	We.	r4 22	0 51	7 15	r4 28	0 54	4 5	r4 34	0 58	.....	.....
20	Th.	s7 39	1 22	8 6	s7 34	1 26	4 59	s7 28	1 31	.....	.....
21	Fr.	r4 23	1 58	8 55	r4 28	2 3	5 48	r4 34	2 9	.....	.....
22	SA.	s7 40	2 40	9 43	s7 34	2 46	6 32	s7 28	2 52	.....	.....
23	S	r4 23	3 31	10 29	r4 29	3 37	7 15	r4 35	3 43	.....	.....
24	Mo.	s7 40	rises	11 14	s7 35	rises	7 56	s7 29	rises	.....	.....
25	Tu.	r4 24	8 40	11 58	r4 29	8 36	8 37	r4 35	8 31	.....	.....
26	We.	s7 40	9 16	0 10	s7 35	9 13	9 19	s7 29	9 10	.....	.....
27	Th.	r4 24	9 48	0 56	r4 30	9 46	10 3	r4 36	9 45	.....	.....
28	Fr.	s7 40	10 17	1 43	s7 35	10 16	10 49	s7 29	10 16	.....	.....
29	SA.	r4 25	10 45	2 34	r4 31	10 45	11 40	r4 36	10 47	.....	.....
30	S	s7 40	11 14	3 28	s7 35	11 16	.....	s7 29	11 18	.....	.....



JULY

MOON'S PHASES. (In Standard Time.)

LAST QUARTER.....	1d. 3h. 43m. A.M.	1d. 2h. 43m. A.M.
NEW MOON.....	8d. 3h. 22m. A.M.	8d. 2h. 22m. A.M.
FIRST QUARTER.....	16d. 1h. 25m. A.M.	16d. 0h. 25m. A.M.
FULL MOON.....	23d. 3h. 35m. P.M.	23d. 2h. 35m. P.M.
LAST QUARTER.....	30d. 8h. 14m. A.M.	30d. 7h. 14m. A.M.

EASTERN DIVISION.

CENTRAL DIVISION.

1918

LATITUDE OF BOSTON AND CHICAGO.

LATITUDE OF NEW YORK AND PHILADELPHIA.

LAT. OF WASH. CIN. & ST. LOUIS.

D. of M.	Day of W'k.	Local Mean Time.		Boston Tide. Stand. Time.	Morning.	Local Mean Time.		N. Y. Tide. Stand. Time.	Morning.	Local Mean Time.	
		SUN R. & S.	MOON R. & S.			SUN R. & S.	MOON R. & S.			SUN R. & S.	MOON R. & S.
1	Mo.	r4 26	11 45	4 25	r4 32	11 48	0 41	r4 37	11 51	.....	.....
2	Tu.	s7 40	morn	5 24	s7 35	morn	1 47	s7 29	morn	.....	.....
3	We.	r4 27	0 20	6 25	r4 33	0 24	3 3	r4 38	0 29	.....	.....
4	Th.	s7 40	1 0	7 28	s7 34	1 5	4 16	s7 29	1 10	.....	.....
5	Fr.	r4 28	1 46	8 30	r4 34	1 52	5 25	r4 39	1 53	.....	.....
6	SA.	s7 39	2 40	9 27	s7 34	2 46	6 25	s7 28	2 52	.....	.....
7	S	r4 29	3 41	10 22	r4 35	3 46	7 20	r4 40	3 53	.....	.....
8	Mo.	s7 39	sets	11 13	s7 33	sets	8 11	s7 28	sets	.....	.....
9	Tu.	r4 31	8 22	.....	r4 37	8 19	8 59	r4 42	8 16	.....	.....
10	We.	s7 38	8 51	0 13	s7 33	8 49	9 43	s7 27	8 47	.....	.....
11	Th.	r4 32	9 17	0 58	r4 38	9 16	10 27	r4 43	9 15	.....	.....
12	Fr.	s7 37	9 41	1 42	s7 32	9 41	11 8	s7 26	9 42	.....	.....
13	SA.	r4 33	10 4	2 26	r4 39	10 5	11 48	r4 44	10 7	.....	.....
14	S	s7 36	10 27	3 11	s7 31	10 29	.....	s7 26	10 32	.....	.....
15	Mo.	r4 35	10 52	3 58	r4 40	10 55	0 25	r4 46	10 59	.....	.....
16	Tu.	s7 35	11 21	4 48	s7 30	11 25	1 8	s7 24	11 29	.....	.....
17	We.	r4 37	11 54	5 40	r4 42	11 59	1 58	r4 47	morn	.....	.....
18	Th.	s7 34	morn	6 33	s7 29	morn	2 59	s7 23	0 4	.....	.....
19	Fr.	r4 38	0 33	7 26	r4 43	0 38	4 5	r4 49	0 44	.....	.....
20	SA.	s7 32	1 20	8 19	s7 27	1 25	5 5	s7 22	1 32	.....	.....
21	S	r4 40	2 15	9 10	r4 45	2 20	5 59	r4 50	2 27	.....	.....
22	Mo.	s7 30	3 17	9 58	s7 26	3 22	6 47	s7 21	3 28	.....	.....
23	Tu.	r4 42	rises	10 45	r4 47	rises	7 33	r4 52	rises	.....	.....
24	We.	s7 29	7 48	11 32	s7 24	7 45	8 18	s7 19	7 44	.....	.....
25	Th.	r4 44	8 18	.....	r4 49	8 17	9 3	r4 53	8 16	.....	.....
26	Fr.	s7 27	8 48	0 36	s7 22	8 48	9 48	s7 18	8 49	.....	.....
27	SA.	r4 46	9 18	1 25	r4 50	9 19	10 36	r4 55	9 21	.....	.....
28	S	s7 25	9 48	2 16	s7 21	9 50	11 26	s7 16	9 54	.....	.....
29	Mo.	r4 48	10 21	3 10	r4 52	10 24	.....	r4 57	10 29	.....	.....
30	Tu.	s7 23	10 59	4 6	s7 19	11 3	0 34	s7 14	11 9	.....	.....
31	We.	r4 50	11 45	5 7	r4 54	11 50	1 40	r4 59	11 56	.....	.....



MOON'S PHASES.
(In Standard Time.)

EASTERN DIVISION.

CENTRAL DIVISION.

NEW MOON.....	6d. 3h. 30m. P.M.	6d. 2h. 30m. P.M.
FIRST QUARTER	14d. 6h. 16m. P.M.	14d. 5h. 16m. P.M.
FULL MOON	22d. 0h. 2m. A.M.	21d. 11h. 2m. P.M.
LAST QUARTER.....	28d. 2h. 27m. P.M.	28d. 1h. 27m. P.M.

1918

LATITUDE OF BOSTON
AND CHICAGO.

LATITUDE OF NEW YORK
AND PHILADELPHIA.

LAT. OF WASH.
CIN. & ST. LOUIS.

D.of M.	Day of W'k.	Local Mean Time.		Boston Tide. Stand. Time.	Morning.	Local Mean Time.		N. Y. Tide. Stand. Time.	Morning.	Local Mean Time.		SUN R.& S.	MOON R.& S.
		SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.		
1	TH.	4 51	morn	6 10		4 55	morn	2 54		5 0	morn		
2	FR.	5 20	0 37	7 12		5 16	0 42	4 7		5 11	0 49		
3	SA.	4 53	1 34	8 15		4 57	1 39	5 13		5 1	1 46		
4	S	5 17	2 35	9 14		5 13	2 40	6 12		5 9	2 46		
5	MO.	4 55	3 40	10 7		4 59	3 44	7 4		5 3	3 49		
6	TU.	5 15	sets	10 54		5 11	sets	7 50		5 7	sets		
7	WE.	4 57	7 20	11 38		5 1	7 18	8 34		5 5	7 18		
8	TH.	5 12	7 44	.....		5 9	7 43	9 14		5 5	7 44		
9	FR.	4 59	8 8	0 32		5 3	8 8	9 51		5 6	8 10		
10	SA.	5 10	8 31	1 14		5 6	8 32	10 27		5 2	8 35		
11	S	5 1	8 56	1 54		5 5	8 58	11 0		5 8	9 2		
12	MO.	5 7	9 23	2 37		5 4	9 26	11 34		5 0	9 31		
13	TU.	5 3	9 53	3 22		5 7	9 57	.....		5 10	10 2		
14	WE.	5 4	10 29	4 10		5 1	10 34	0 15		5 57	10 40		
15	TH.	5 5	11 11	5 1		5 9	11 16	1 1		5 12	11 23		
16	FR.	5 1	morn	5 55		5 58	morn	2 0		5 55	morn		
17	SA.	5 8	0 1	6 50		5 11	0 6	3 13		5 14	0 13		
18	S	5 58	1 0	7 45		5 55	1 5	4 24		5 52	1 12		
19	MO.	5 10	2 5	8 38		5 13	2 10	5 25		5 16	2 15		
20	TU.	5 55	3 15	9 28		5 52	3 19	6 18		5 50	3 23		
21	WE.	5 12	4 28	10 17		5 15	4 31	7 7		5 17	4 34		
22	TH.	5 52	rises	11 5		5 50	rises	7 53		5 47	rises		
23	FR.	5 14	7 18	11 53		5 17	7 19	8 40		5 19	7 20		
24	SA.	5 49	7 50	0 15		5 47	7 52	9 27		5 44	7 55		
25	S	5 16	8 23	1 6		5 19	8 26	10 16		5 21	8 30		
26	MO.	5 46	9 0	1 57		5 43	9 4	11 9		5 41	9 9		
27	TU.	5 18	9 43	2 51		5 21	9 48	.....		5 23	9 54		
28	WE.	5 43	10 32	3 48		5 40	10 37	0 29		5 39	10 44		
29	TH.	5 20	11 28	4 49		5 23	11 33	1 38		5 25	11 40		
30	FR.	5 39	morn	5 52		5 37	morn	2 49		5 35	morn		
31	SA.	5 22	0 30	6 57		5 24	0 35	3 59		5 27	0 41		



MOON'S PHASES.
(In Standard Time.)

EASTERN DIVISION.

CENTRAL DIVISION.

NEW MOON.....	5d. 5h. 44m. A.M.	5d. 4h. 44m. A.M.
FIRST QUARTER	13d. 10h. 2m. A.M.	13d. 9h. 2m. A.M.
FULL MOON	20d. 8h. 1m. A.M.	20d. 7h. 1m. A.M.
LAST QUARTER.....	26d. 11h. 39m. P.M.	26d. 10h. 39m. P.M.

1918

LATITUDE OF BOSTON
AND CHICAGO.

LATITUDE OF NEW YORK
AND PHILADELPHIA.

LAT. OF WASH.
CIN. & ST. LOUIS.

D.of M.	Day of W'k.	Local Mean Time.		Boston Tide. Stand. Time.	Morning.	Local Mean Time.		N. Y. Tide. Stand. Time.	Morning.	Local Mean Time.		SUN R.& S.	MOON R.& S.
		SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.		
1	S	5 23	1 33	8 0		5 25	1 37	5 1		5 28	1 43		
2	MO.	5 34	2 36	8 57		5 32	2 40	5 55		5 31	2 44		
3	TU.	5 26	3 39	9 47		5 27	3 42	6 42		5 29	3 45		
4	WE.	5 31	4 41	10 31		5 29	4 43	7 24		5 27	4 45		
5	TH.	5 28	sets	11 11		5 29	sets	8 3		5 31	sets		
6	FR.	5 28	6 36	11 48		5 26	6 37	8 38		5 24	6 39		
7	SA.	5 30	7 0	0 6		5 31	7 2	9 11		5 33	7 5		
8	S	5 24	7 27	0 45		5 23	7 30	9 42		5 21	7 34		
9	MO.	5 32	7 56	1 25		5 33	8 0	10 11		5 35	8 5		
10	TU.	5 21	8 29	2 6		5 19	8 34	10 41		5 18	8 39		
11	WE.	5 34	9 8	2 49		5 35	9 13	11 17		5 37	9 19		
12	TH.	5 17	9 54	3 35		5 16	9 59	.....		5 15	10 6		
13	FR.	5 36	10 46	4 25		5 37	10 51	0 24		5 38	10 58		
14	SA.	5 14	11 46	5 19		5 13	11 51	1 25		5 12	11 57		
15	S	5 38	morn	6 15		5 39	morn	2 40		5 40	morn		
16	MO.	5 10	0 53	7 12		5 9	0 57	3 53		5 9	1 2		
17	TU.	5 40	2 4	8 7		5 41	2 7	4 55		5 42	2 11		
18	WE.	5 7	3 17	9 0		5 6	3 19	5 49		5 6	3 22		
19	TH.	5 43	4 33	9 49		5 43	4 34	6 39		5 44	4 36		
20	FR.	5 3	rises	10 39		5 3	rises	7 27		5 2	rises		
21	SA.	5 45	6 19	11 27		5 45	6 21	8 15		5 45	6 25		
22	S	5 0	6 57	.....		5 59	7 1	9 4		5 59	7 5		
23	MO.	5 47	7 40	0 46		5 47	7 45	9 56		5 47	7 50		
24	TU.	5 56	8 28	1 39		5 56	8 33	10 50		5 56	8 39		
25	WE.	5 49	9 23	2 33		5 49	9 28	11 49		5 49	9 35		
26	TH.	5 52	10 23	3 30		5 53	10 28	0 25		5 53	10 34		
27	FR.	5 51	11 26	4 30		5 51	11 31	1 34		5 51	11 36		
28	SA.	5 49	morn	5 34		5 49	morn	2 42		5 49	morn		
29	S	5 53	0 30	6 37		5 53	0 34	3 46		5 53	0 39		
30	MO.	5 45	1 33	7 38		5 46	1 36	4 43		5 46	1 40		



OCTOBER

MOON'S PHASES. (In Standard Time.)

NEW MOON	4d. 10h. 5m. P.M.	4d. 9h. 5m. P.M.
FIRST QUARTER	13d. 0h. 0m. A.M.	12d. 11h. 0m. P.M.
FULL MOON	19d. 4h. 35m. P.M.	19d. 3h. 35m. P.M.
LAST QUARTER	26d. 0h. 35m. P.M.	26d. 11h. 35m. A.M.

EASTERN DIVISION.

CENTRAL DIVISION.



NOVEMBER

MOON'S PHASES. (In Standard Time.)

NEW MOON	3d. 4h. 2m. P.M.	3d. 3h. 2m. P.M.
FIRST QUARTER	11d. 11h. 46m. A.M.	11d. 10h. 46m. A.M.
FULL MOON	18d. 2h. 33m. A.M.	18d. 1h. 33m. A.M.
LAST QUARTER	25d. 5h. 25m. A.M.	25d. 4h. 25m. A.M.

EASTERN DIVISION.

CENTRAL DIVISION.

1918

LATITUDE OF BOSTON AND CHICAGO.

LATITUDE OF NEW YORK AND PHILADELPHIA.

LAT. OF WASH. CIN. & ST. LOUIS.

D. of M.	Day of W'k.	Local Mean Time.		Boston Tide.	Morning	Local Mean Time.		N. Y. Tide.	Morning	Local Mean Time.		Sun	Moon
		SUN R. & S.	MOON R. & S.			SUN R. & S.	MOON R. & S.			SUN R. & S.	MOON R. & S.		
1	TU.	5 56	2 35	8 33		5 55	2 37	5 32		5 54	2 40		
2	WE.	5 42	3 35	9 20		5 42	3 36	6 15		5 43	3 38		
3	TH.	5 58	4 35	10 1		5 57	4 35	6 53		5 56	4 36		
4	FR.	5 38	5 33	10 39		5 39	5 32	7 28		5 40	5 32		
5	SA.	6 0	sets	11 16		5 59	sets	8 1		5 58	sets		
6	S.	5 35	5 59	11 53		5 36	6 2	8 31		5 37	6 7		
7	MO.	6 2	6 30	0 18		6 1	6 34	8 59		6 0	6 40		
8	TU.	5 32	7 7	0 57		5 33	7 12	9 27		5 34	7 18		
9	WE.	6 4	7 50	1 37		6 3	7 55	10 37		6 2	8 2		
10	TH.	5 28	8 40	2 19		5 29	8 45	11 22		5 31	8 52		
11	FR.	6 7	9 37	3 5		6 6	9 42	.....		6 4	9 48		
12	SA.	5 25	10 39	3 54		5 26	10 43	1 3		5 28	10 49		
13	S.	6 9	11 45	4 47		6 8	11 49	2 15		6 6	11 53		
14	MO.	5 22	morn	5 44		5 23	morn	3 26		5 25	morn		
15	TU.	6 12	0 55	6 41		6 10	0 58	4 26		6 8	1 1		
16	WE.	5 18	2 7	7 37		5 20	2 8	5 21		5 22	2 11		
17	TH.	6 14	3 21	8 31		6 12	3 21	6 13		6 10	3 22		
18	FR.	5 15	4 38	9 24		5 17	4 37	7 3		5 19	4 37		
19	SA.	6 16	5 57	10 14		6 14	5 55	7 53		6 12	5 53		
20	S.	5 12	rises	11 5		5 14	rises	8 44		5 16	rises		
21	MO.	6 18	6 16	11 54		6 16	6 21	9 36		6 14	6 27		
22	TU.	5 9	7 11	0 28		5 11	7 16	10 32		5 14	7 23		
23	WE.	6 21	8 11	1 20		6 19	8 16	11 31		6 16	8 23		
24	TH.	5 6	9 15	2 14		5 8	9 20	0 14		5 11	9 26		
25	FR.	6 23	10 21	3 10		6 21	10 25	1 20		6 18	10 30		
26	SA.	5 3	11 25	4 8		5 6	11 28	2 25		5 8	11 32		
27	S.	6 26	morn	5 9		6 23	morn	3 24		6 21	morn		
28	MO.	5 0	0 27	6 9		5 3	0 29	4 17		5 6	0 32		
29	TU.	6 28	1 28	7 6		6 25	1 29	5 3		6 23	1 31		
30	WE.	4 58	2 28	7 58		5 0	2 28	5 44		5 3	2 29		
31	TH.	6 31	3 27	8 45		6 28	3 26	.....		6 25	3 26		

1918

LATITUDE OF BOSTON AND CHICAGO.

LATITUDE OF NEW YORK AND PHILADELPHIA.

LAT. OF WASH. CIN. & ST. LOUIS.

D. of M.	Day of W'k.	Local Mean Time.		Boston Tide.	Morning	Local Mean Time.		N. Y. Tide.	Morning	Local Mean Time.		Sun	Moon
		SUN R. & S.	MOON R. & S.			SUN R. & S.	MOON R. & S.			SUN R. & S.	MOON R. & S.		
1	FR.	6 32	4 26	9 27		6 29	4 24	6 20		6 26	4 23		
2	SA.	4 54	5 25	10 6		4 57	5 22	6 55		5 0	5 20		
3	S.	6 34	6 25	10 44		6 31	6 21	7 27		6 28	6 19		
4	MO.	4 51	sets	11 21		4 54	sets	7 58		4 58	sets		
5	TU.	6 37	5 50	.....		6 34	5 55	8 26		6 30	6 1		
6	WE.	4 49	6 37	0 32		4 52	6 42	8 55		4 55	6 49		
7	TH.	6 40	7 31	1 12		6 36	7 36	9 29		6 33	7 42		
8	FR.	4 46	8 31	1 54		4 50	8 36	10 9		4 53	8 41		
9	SA.	6 42	9 35	2 39		6 38	9 39	10 54		6 35	9 44		
10	S.	4 44	10 42	3 27		4 48	10 45	11 48		4 51	10 49		
11	MO.	6 45	11 51	4 19		6 41	11 53	0 41		6 37	11 56		
12	TU.	4 42	morn	5 15		4 46	morn	1 50		4 50	morn		
13	WE.	6 47	1 1	6 13		6 43	1 2	2 58		6 39	1 3		
14	TH.	4 40	2 13	7 9		4 44	2 12	4 1		4 48	2 13		
15	FR.	6 50	3 27	8 4		6 46	3 25	4 57		6 42	3 24		
16	SA.	4 39	4 44	8 59		4 42	4 41	5 51		4 46	4 39		
17	S.	6 52	6 2	9 51		6 48	5 58	6 43		6 44	5 55		
18	MO.	4 37	rises	10 43		4 41	rises	7 35		4 45	rises		
19	TU.	6 55	5 51	11 35		6 50	5 56	8 27		6 46	6 3		
20	WE.	4 35	6 56	0 11		4 39	7 1	9 19		4 44	7 7		
21	TH.	6 57	8 3	1 2		6 53	8 7	10 12		6 48	8 13		
22	FR.	4 34	9 10	1 54		4 38	9 13	11 9		4 43	9 18		
23	SA.	6 59	10 16	2 47		6 55	10 19	.....		6 50	10 22		
24	S.	4 32	11 19	3 41		4 37	11 21	0 55		4 42	11 23		
25	MO.	7 2	morn	4 36		6 57	morn	1 53		6 52	morn		
26	TU.	4 31	0 20	5 32		4 36	0 20	2 50		4 41	0 22		
27	WE.	7 4	1 19	6 25		6 59	1 18	3 41		6 55	1 19		
28	TH.	4 30	2 18	7 15		4 35	2 16	4 27		4 40	2 16		
29	FR.	7 6	3 17	8 3		7 1	3 14	5 11		6 57	3 13		
30	SA.	4 29	4 16	8 48		4 35	4 13	5 49		4 39	4 10		



DECEMBER

MOON'S PHASES. (In Standard Time.)					EASTERN DIVISION.					CENTRAL DIVISION.				
NEW MOON					3d.	10h.	19m.	A.M.		3d.	9h.	19m.	A.M.	
FIRST QUARTER					10d.	9h.	31m.	P.M.		10d.	8h.	31m.	P.M.	
FULL MOON					17d.	2h.	17m.	P.M.		17d.	1h.	17m.	P.M.	
LAST QUARTER					25d.	1h.	31m.	A.M.		25d.	oh.	31m.	A.M.	
1918					LATITUDE OF BOSTON AND CHICAGO.					LATITUDE OF NEW YORK AND PHILADELPHIA.				
D.O.M.	Day of W'k.	Local Mean Time.		Boston Tide.	Morning Stand. Time.	Local Mean Time.		N. Y. Tide.	Morning Stand. Time.	LAT. OF WASH. GIN. & ST. LOUIS.		Local Mean Time.	Morning Stand. Time.	N. Y. Tide.
		SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.			
1	☿	r7 8	5 15	9 31		r7 3	5 11	6 25		r6 58	5 7			
2	Mo.	s4 29	6 13	10 12		s4 34	6 8	6 58		s4 39	6 3			
3	Tu.	r7 10	sets	10 54		r7 5	sets	7 31		r7 0	sets			
4	We.	s4 28	5 27	11 35		s4 33	5 32	8 3		s4 38	5 39			
5	Th.	r7 13	6 25	0 7		r7 7	6 30	8 34		r7 2	6 36			
6	Fr.	s4 28	7 28	0 48		s4 33	7 32	9 10		s4 38	7 37			
7	Sa.	r7 15	8 34	1 30		r7 9	8 37	9 49		r7 4	8 41			
8	☿	s4 28	9 41	2 16		s4 33	9 43	10 34		s4 38	9 46			
9	Mo.	r7 17	10 49	3 3		r7 11	10 50	11 21		r7 6	10 52			
10	Tu.	s4 28	11 59	3 54		s4 33	11 59	0 20		s4 38	morn			
11	We.	r7 18	morn	4 48		r7 13	morn	1 24		r7 8	0 0			
12	Th.	s4 28	1 11	5 45		s4 33	1 10	2 32		s4 38	1 9			
13	Fr.	r7 20	2 24	6 42		r7 15	2 21	3 38		r7 9	2 20			
14	Sa.	s4 28	3 38	7 40		s4 33	3 34	4 38		s4 39	3 32			
15	☿	r7 22	4 51	8 37		r7 16	4 46	5 36		r7 11	4 43			
16	Mo.	s4 29	6 3	9 32		s4 34	5 58	6 30		s4 39	5 53			
17	Tu.	r7 23	rises	10 26		r7 18	rises	7 22		r7 12	rises			
18	We.	s4 29	5 41	11 18		s4 34	5 46	8 13		s4 40	5 52			
19	Th.	r7 24	6 50	.....		r7 19	6 54	9 3		r7 14	6 59			
20	Fr.	s4 30	7 58	0 44		s4 35	8 1	9 52		s4 41	8 5			
21	Sa.	r7 26	9 3	1 33		r7 20	9 5	10 41		r7 15	9 8			
22	☿	s4 31	10 6	2 22		s4 36	10 7	11 31		s4 42	10 9			
23	Mo.	r7 27	11 7	3 10		r7 21	11 7	0 15		r7 16	11 8			
24	Tu.	s4 32	morn	3 59		s4 37	morn	1 10		s4 43	morn			
25	We.	r7 27	0 7	4 48		r7 22	0 6	2 4		r7 17	0 6			
26	Th.	s4 33	1 6	5 39		s4 38	1 4	2 55		s4 44	1 3			
27	Fr.	r7 28	2 5	6 29		r7 23	2 2	3 46		r7 17	2 0			
28	Sa.	s4 34	3 4	7 19		s4 40	3 0	4 33		s4 45	2 57			
29	☿	r7 29	4 3	8 9		r7 24	3 58	5 15		r7 18	3 54			
30	Mo.	s4 36	5 1	8 57		s4 41	4 56	5 57		s4 47	4 51			
31	Tu.	r7 29	5 55	9 42		r7 24	5 50	6 35		r7 19	5 44			

Cambridge.

Ther

Tuesday, Jan. 1, 1918

Wea
Time.

Brilliantly clear, light northerly wind.
Intense cold of last three day continues
almost unabated. Ther. on north piazza
fell to -9° last night & did not
rise above $+8^{\circ}$ to-day. Fortunate are
those whose water pipes remain unfrozen.
Phelan is busy with them in uplands
of 50 houses & Brook Bros. in Theron
that number. Ours caught again last
night in two places & buried in one.
Ground thickly but uniformly covered
with hard-frozen snows.

Garden birds. 6 Chickadees & 3 Crows
visiting suit hanging in tree & shrubs
close to Museum. A Jay searching in
jungle. 12+ House Sparrows taking
crusts of bread from clothes yard to wash-

Spent most of day in Museum
working on letters & copying bird notes.
The Cobb-Fuller & Miss Mary Allen
lunched with us at 1 P.M. and
entered their names on first page of
our new guest book. C. came down this
evening to look at hall tree & listen to
Victrola music until 8.30. E. had
dined to see after that.

Cambridge

Ther - 5° + 8° Wednesday, Jan. 2, 1918 Wea Fair

Forenoon sunny, afternoon cloudy. Little or no wind. Air exceedingly chilly. Indeed it seemed scarcely less cold out of doors than during recent periods of lower temperatures when within we are still forced to burn both wood and coal miserably in order to keep only moderately comfortable while even that cannot be achieved except in a very few rooms. Of these my Museum study is not one for its furnace register & fire place combined have failed to supply all the heat which was desired or even enough to spare our frequent shivering.

Garden birds. Several Chickadees; 20 + House Sparrows; a Crow & a Jay heard but not seen.

Spent day in Museum. Copied bird notes from Diary into Garden book & worked awhile on Cat article for Bird Lore.

Cambridge, Lowell Thompson & Charles F. Walcott Call on me Ther 4° + 10° Thursday, Jan. 3, 1918 Wea Dull.

Cloudy with chill easterly wind and a few snow flakes falling every now and then.

Garden birds. Several Chickadees flitting through jungle. A dull-plumaged White-throated Sparrow, no doubt the self-same bird here all last month, was feeding on bread crumbs in our clothes yard this morning, with numerous House Sparrows. Crows are evidently hard put to it for food. I saw one on the snow-clad lawn this morning eagerly pecking at something. A single Jay in the jungle. Copied bird notes into Garden book in forenoon & worked on article for Bird Lore in afternoon.

My boy friends Lowell Thompson and Charles F. Walcott called in mid P.M. to report the finding of a Red-breasted Sapsucker's nest with 2 eggs, at Marblehead, last April (22d) by the common occurrence in Fresh P. marshes last June of Sora & Virginia Rails & Bitterns.

Marbled nest of Red Crossbill Cambridge

Ther 0°, 15° Friday, Jan. 4, 1918 Wea Fine

Brilliantly clear with fresh N.W. wind. Although scarcely less cold than heretofore the air was dryer & less chilly.

Garden birds: A screaming Jay and a few shivering House Sparrows were all I noted.

Worked all day on article for Bird Box, advancing it considerably.

C. motored in town at 10 a.m. to spend four or five hours in St Paul's Cathedral.

Lowell Thompson & Charles F. Walcott called at 4 P.M. bringing the Red Crossbill's nest, found last April at Marblednest, which they gave me. It is very like two nests from New Brunswick in my collection.

They also brought a short written account of their experience in finding it etc. which I shall send to Mr. Aud for publication. They report seeing 8 or 10 Swans flying low over Elmwood Lake Sunday.

Cambridge

Ther 10° 22° Saturday, Jan. 5, 1918 Wea Fine

Clear with rising temperature of little avail, however, to offset the discomfort of a violent N.W. wind.

Garden birds. 3 or 4 Chickadees, a few House Sparrows, two Crows eager enough to peck at fish heads nailed to a plank on the lawn yet too suspicious of bounty to be disposed for their especial benefit to take any advantage of it.

My day was spent in the Museum where I worked steadily at my writing & made rather good progress with it despite continued & distressing trouble with the eyes.

We had the usual evening bracelet concert & reading aloud in the hall with C. their part of the time.

Cambridge

Ther
12°, 26°

Sunday, Jan. 6, 1918

Wea
Perfect.

Cloudless almost windless and comparatively mild - or, at least, so it seemed after the excessive cold of the past eight days. Snow throwing a little in sheltered, sunny places and tiny rills of water trickling over stone or brick sidewalks.

Garden birds 4 Chickadees at suet, 12 Starlings trying to eat Peckham apples but kept from doing so by my jerking, every now & then, at a cord now strung from Museum window to top of tree; a screaming Jay; several House Sparrows.

After writing several letters in Museum I walked up Brattle St. at noon, returned with Woodward Emery, called on Walter Dean (now nearly well again) & finally on Mrs. Dean. We had at dinner Mrs. Garder, Mrs. Finch & Miss Allyn. G. down to greet them. Allyn came before they left & Harry Brattle to pass the evening.

Cambridge

Ther

Monday, Jan. 7, 1918

Wea
Stormy

A dismal day, dark cloudy with incessant icy rain freezing to whatever it happened to strike and rendering streets & sidewalks too slippery to be trodden on without the greatest caution.

Garden birds. Several Chickadees coming to suet; a few House Sparrows in clothes yard; nothing else noticed until shortly after sunset when a White-throated Sparrow chirped for half a minute or more in the darkness outside my study window.

Devoted entire forenoon to making out checks for bills, afternoon to working on bird notes & other M.S.

Judge Ferry read a paper on Monaghan birds at Natural Club meeting this evening. Only eight members attended it - according to Percy. I failed to do so, however worn out by two sleepless nights.

Cambridge

Ther
26°, 33°

Tuesday, Jan. 8, 1918

Wea
Dull.

Cloudy, calm, comparatively mild but
very chilly. Snow softening a little
although still covering roof & sidewalk
alike.

Garden birds. Several Chickadees,
a dozen Starlings, a few House
Sparrows & a coming Crow.

Worked on bird m.s. in forenoon.
Ostrum Bangs came to lunch with
us at 1. He & I spent afternoon
in Museum, looking at bird skins.
I gave him (for M.Z.C.) two
St. Lawrence Sparrows, a Red-headed
Tanager from Mexico & a handsome
but green-stained Snowy Heron.
After the light failed we sat
talking by the fire for an
hour or so longer. I enjoyed
it greatly. He has persuaded
me to name & describe an
eastern form of Houston's Sparrow
- very unlike the typical bird.

Cambridge

Ther
10°, 18°

Wednesday, Jan. 9, 1918

Wea
7 in.

Clear and cool with brisk N.W. wind.
Slippery walking still.

Garden birds. 2 or 3 Chickadees
coming to the seat; a few
House Sparrows visiting clothes yard;
a C. Flicker and 12 Starlings
feeding together on Postlemon apple.

The Houston Sparrow article
suggested yesterday by Ostrum
Bangs was begun this morning.
Having no thought of writing
more than enough to fill half a
page or so I had hoped to
finish with it by nightfall but
this has not been accomplished.
Miss Chipman lunched with
us.

Gilbert is now going through
the collection in search of Anthracoceros
& other extinct fossils. Thus far he
has found traces of them in three
cases only.

Special election to fill vacancy in City Council. Council
will meet at 8 P.M. (Bill) at Town Hall behind House

Cambridge

Ther
18° 26

Thursday, Jan. 10, 1918

Wea
Fine

Clear & cool with fresh westerly wind.

Garden birds. 2 Chickadees,
8 Starlings, a few House Sparrows
and an unseen but plainly heard
crow. The Starlings were feeding
in Parkman apple tree from which
I drove them repeatedly by jerking
the string tied to one of its topmost
branches. Whenever this is done
they dash off at once but soon
return. The stuffed cat has not
been tried again of late.

Worked all forenoon on transfer
of bird notes from Diary to Garden
book, finishing the task just
before going in to luncheon.

Devoted most of afternoon to
Henslow Sparrow article, thereby
advancing it somewhat.

Townsend called about 5 P.M.,

To spend an hour or so.
C. motored in town to see Dr. Cherry
- this forenoon.

Cambridge.

Ther
15° 28°

Friday, Jan. 11, 1918

Wea
Fine

"Weather breeder" kind of day,
cloudless, windless; no more than
seasonably cool and quite devoid
of penetrating chill. Although
slighing conditions continue
simply perfect I see only an
occasional pung or farmer's outfit
on runways - and have not set
eyes on a really well appointed
proper sleigh, all winter. Such
a Turnout has, indeed, nearly if
not quite ceased to exist, hereabouts.

Garden birds: Two Chickadees;
a screaming Jay; two Starlings.
The last named birds have
well nigh ceased to visit the
Parkman apple tree, no doubt
because of my tending the string
attached to it.

Worked all day on Henslow Sparrow
article thereby almost completing it
I trust.

Cambridge

Ther 48° max Saturday, Jan. 12, 1918 Wea. Various

Forenoon dark cloudy with incessant heavy rain which flooded streets & sidewalk with slushy water. Afternoon sunny calm & delightfully mild.

Garden birds. Two Chickadees, a Jay, 2 Starlings and a flock of 8 Cedar Waxwings. The last named birds appeared about 9.30 a.m. in the Parkman's apple tree when they remained for half an hour or more eating its still abundant fruit. They were all looked uncommonly dull colored at least as observed by me through an opera glass & the Museum windows.

My forenoon & late afternoon were devoted to the Henslow Sparrows article, not even yet completed. The mid afternoon to having my hair cut at Maule's in Harvard Sq. which swarmed with young men in khaki & Naval uniforms. Usual evening reading & tea. Music with C. down in front hall until 9 P.M.

Cambridge

Ther 12° Sunday, Jan. 13, 1918 Wea. Fine

Cloudless and cold with brisk northerly wind and everything frozen tight again. Three daylight readings of Ther. on back piazza gave 12° at 9.30 a.m.; 10° at 1.30 P.M.; 10° at 4.30 P.M. It is not often at any season that the temperature varies so slightly during practically the whole of a cloudless day.

Garden birds. One cock House Sparrow - literally nothing else wearing feathers & set eyes on by me.

I was about to begin letter writing in Museum at 10 a.m. when Harry Spelman appeared with various dealers catalogues of garden vegetable seeds. We spent remainder of forenoon making selections fr. them for spring use.

Besides Miss Allyn & Walter Deane we had at dining Johnny Ames who brought his entire collection of war trophies & talked most interesting about them.

Squirrel eating ice. Cambridge

Ther 10° 20° Monday, Jan. 14, 1918. Wea Fair
Total absence of bird life.
Sun shining ~~some what~~ dimly
through overhead mists or haze.
Clouds gathering in late P.M.
Moderately cold. Little or no wind.

Garden birds. Not one seen or heard. Such apparent total absence is quite without precedent here, at any season, within my knowledge and recollection.

I did see a Gray Squirrel sitting perched on the Museum roof holding between his fore paws - as all Squirrels hold nuts - a thick cake of ice two or more inches square from which he was biting off good-sized fragments & eating them with apparent relish.

Worked all day on Henslow's Sparrows article at length certainly almost ready for publication.

Mrs. Place telephoned this noon that Spencer, Henry's H's sister, died at Wellesley yesterday morning. I have just sent Mr. Wright letter to Henry urging him to remain in W. where he is now ill with 9 leprosy.

Cambridge Will Thayer calls on us.

Ther 40° max Tuesday, Jan. 15, 1918. Wea Stormy

Dark cloudy, snowing fitfully in forenoon. Much of what fell then was washed away but a following rain which lasted through the afternoon. Altogether a dismal day.

Garden birds. 2 Chickadees, 3 Starlings & a solitary Jay. What can have become of the House Sparrows? I see none now.

Spent most of forenoon in Museum working on Henslow's Sparrows article. Finished it just before lunch, after which Gilbert began copying it with his typewriter. I, meanwhile was at work on the "Blanchet Cat" article.

Will Thayer, just returned from Russia, surprised & delighted us by a brief call in late P.M. I saw him in his room, I in lower hall with E. R. S. He looked very careworn, what he said about Russia most interesting.

Cambridge

Ther 20°, 26° Wednesday, Jan. 16, 1918 Wea Fine
Interesting Flicker.

Cloudless & almost windless with bright sunshine but frosty air.

Garden birds. 2 Chickadees in lilacs; a Jay in Catalpa; a Starling in Parkman apple; a Flicker on trunk of beech pear tree which he had evidently just begun to denude of bark, after the usual practice of such birds in winter. When I first noticed him, however, he was clinging motionless as if absorbed in reverie, and remained so for the next five minutes. His rufous scarlet showed conspicuously as a broad V-shaped patch yet was really "concealing" because looking so like an exposed spot of reddish inner bark.

Spent day in Museum working ceaselessly despite vile headache. Finished Henslow's Sparrow paper & sent it to Bangs. Also copied "Blameless Cat" story not as yet quite complete.

Delightful evening in hall with every member of family (including dogs) about open fire. Musical box, music & reading about.

Cambridge

Ther 17°, 28° Thursday, Jan. 17, 1918 Wea Dull

Dark cloudy and very chilly but almost windless. Scattered snow-flakes every now & then. Light fall of snow (2 or 3 inches) last night.

Garden birds. 2 Chickadees, a Flicker and 8 Starlings (in Parkman apple tree, the Flicker spent ten minutes or more on surface of snow beneath apple tree picking up & eating fruit that had fallen there. There seems to be plenty of it still adhering to the tree, however.

My day mostly spent in Museum working on "Blameless Cat" story, thereby finished. C. & the rest heard it read aloud & seemed to think it entertaining. I shall offer it to Chapman for "Bird Song".

C. went in town by motor this forenoon to see Dr. Cheney. He reports her eyes no worse. Dr. Stevens thinks her general condition much better. She was with us in lower hall this evening.

Cambridge

Ther
16° 30

Friday, Jan. 18, 1918

Wea
Fine

A weather-breeding kind of day, dead calm, absolutely cloudless, with clear, if pale, sunlight and just agreeably frosty air.

Garden birds. A light-colored Shrike; presumably borealis, perched in one of the large apple trees on edge of jungle, where "at least eight" Chickadees were flitting as close about it as they dared, uttering excited cries. All this seen by Gilbert and Percy. I was in C's room at the time (2.15 - 2.30 P.M.). Percy says the Shrike was singing freely all the while.

Working in Museum most of day, on notes relating to nest of Red Crossbill, found at Marblehead. Last April by Lowell Thompson & Charles F. Waller. This will be sent to the Auk for publication.

It is now finished but not type with

Cambridge

Ther
22° 28°

Saturday, Jan. 19, 1918

Wea
Dull.

Dark cloudy and very chilly but not cold. Snowing over night and fitfully all day. Not more than an inch or two came altogether. Perfect road conditions for sleighing & motoring alike. Burbank reports pond in Berry Pasture at farm frozen to bottom in places. Ice 22 inches thick, he says. I have never known that happen before.

Garden birds. 2 Chickadees - nothing else.

The Butcher bird seen by Percy yesterday was perhaps the self-same one said to be haunting the old Wyman place, Spaulds Street, of late. If so his presence may have had much to do with the recent total disappearance of House Sparrows from our neighborhood.

Writing all day in Museum mostly on Uniopter M.S. Did not accomplish much.

C. kept in her room. E. read aloud to me this evening.

Cambridge

Ther
6° 14°

Sunday, Jan. 20, 1918

Wea
Fair.

Sun shining rather dimly
from a somewhat overcast sky.
Air crisp & almost windless.
Altogether an average winter day.

Garden birds. 4 Chickadees
together at Suet hanging in
catalpa. by Museum

Two of our Museum Left Fantails
have laid their first 1918 eggs &
are sitting on them. The only two
left at Concord died about the
last of December during - and no
doubt because of - the intense
cold weather at that time.

Spent forenoon & late afternoon
in Museum writing letters

Miss Allie our only guest at
dinner although there was a
Concord Turkey served.

C. conferred to her room again
by a slight bit back.

Cambridge

Ther

10° 26°

Monday, Jan. 21, 1918

Wea
Fine -

Brilliantly clear with calm,
fresh air.

Perfect sleighing but only a few
fringe out to take advantage of it.

Ground uniformly covered by
about 4 inches of snow solidified
by combined action of recent rains
& frosts. The sun has scarcely
availed to soften it any where
for the past month or more.

Garden birds. Several Chickadees
visiting the Suet. Noted nothing
else.

Batchelder & Bangs arrived
soon after breakfast to spend a
long forenoon looking over my
New England ^{birds}. Of these they selected
series of several species to
compare at Mus C.Z. with
Newfoundland material on which
they are at work.

Cambridge

Ther 12° 28° Tuesday, Jan. 22, 1918 Wea Dull.

Dark cloudy with some trifling snow fall in P. M. & evening

Garden birds, 2 or 3 Chickadees and a couple of Crows. I failed to note anything else.

Resumed work on Umbagog Introduction this morning and kept at it steadily all day, despite eye trouble different to disregard. Why this task should have become so impossible of satisfying accomplishment I fail to comprehend. That I try too hard to achieve something approximating literary perfection is probable yet without such a standard to bear ever in mind I should soon lose all interest in the work.

Cambridge

Ther 11° 22° Wednesday, Jan. 23, 1918 Wea "We Dine" at Spelman's. Time

Brilliantly clear with cold & blustering N. W. wind. Yesterday's snow fall added some two inches to what had come & remained unsettled before. Altogether it is now perhaps 5 inches deep.

Garden birds: 2 Chickadees, a ♀ Flicker eating Parkman apples, 10 or 12 Starlings similarly employed & a Crow perched low in Jungh.

Spent most of day in Museum working on Umbagog m.s. without much success.

For first time this winter, attended a "We Dine" - at Spelman's. Everyone there except Barbour. Rackerman photographed us by electric light - very trying to eyes. I read "Blameless Cat" story - will be home by 11:15, rather used up.

Cambridge

Ther 6°, 20° Thursday, Jan. 24, 1918 Wea Fine

Clear and cold with fresh northerly winds.

Garden birds; A. ♂ Flicker in Parkman apple tree; Chickadee heard.

An interrupted day devoted mostly to various routine duties such as writing letters & cheques. Some time was also given to working on Umbagog manuscript.

Smith Dexter lunched with us and afterwards spent upwards of an hour with me in the Museum. He has just finished a full month's service as Chaplain at Ayer military encampment. His account of it is most interesting and altogether favorable. He reports abundance of coal at Concord.

Cambridge

Ther 17° 26° Friday, Jan. 25, 1918 Wea Dull

Dark cloudy and intensely chilly with only just enough snow fall to whiten surfaces previously kept clear from it (e.g. plank walks etc).

Garden birds. A Jay screaming somewhere not far off; 6 or 8 Starlings feeding on Parkman apples until driven from the tree by my jerking a cord attached to it.

A day of literary accomplishment unusual in my experience. In the forenoon I began & finished a short article for the Ark (merely a few notes relating to a shifting of names for the Northern Parula Warbler); in the afternoon a full page of manuscript that required no copying was written for my Umbagog "Introduction". C. with us at table & in hall, this evening. Usual vic music & reading aloud.

Cambridge

Ther
18°, 24°

Saturday, Jan. 26, 1918

Wea
Perfect

Brilliantly clear & wholly cloudless skies, bright sunshine, almost no wind. Altogether a rarely perfect & frosty early mid-winter day.

Garden birds: 4 Chickadees visiting nest; 1 Starling in Parkman apple tree; Crow carrying sparrows.

Working all day on the biography of M. S. Compiled for it a short account of David Robbins (alias "Sant Gwily") and the "Lost Child" James Wilbur.

Dick Dana called in late P.M. We talked for half an hour or more by the Museum fire. He has been at Fort Sheridan & Plattsburgh recently & testifies favorably as to efficiency in both camps.

Cambridge

Ther
4°, 15°

Sunday, Jan. 27, 1918

Wea
Fine

Another day of brilliant sunshine and windless, frosty air. Although colder than yesterday it did not seem so.

Garden birds, 4 Chickadees at nest; 1 Flicker on trunk of sickle pear tree. 2 Jays in jungle.

I have seen no House Sparrows about the place for two weeks.

Harry Spelman spent most of forenoon with me in Museum. Coming, he said, chiefly "to get warm", their fuel supply having run low.

Miss Jenny Chapman, Miss Allyn, Alice Stone, Frank Manning & Harry Bartlett were with us at dinner. Frank & Harry stayed until 4.30. After that I wrote for two hours. C. spent evening with us by hall fire.

Cambridge

Ther
2° 10°

Monday, Jan. 28, 1918

Wea
Dull

A very dreary winter day,
dark cloudy and intensely
chilly, as well as cold, with
snow flakes falling every now
and then - to no more than
whiten clean-swept walks, lawns,

Garden birds. Altogether
absent, apparently, for not
one was either seen or heard
by me.

I worked all day on Ambrose
manuscripts, finishing a brief
account of David Robbins's
extraordinary career and
beginning one relating to
E. A. Samuels's field specimen
at the lake, which was now
quite completed.

The morning's mail brought me
a delightful letter from my
old-time friend, Herbert Gardiner
of whom we have heard nothing for
twenty or more years.

Cambridge

Ther
10° 56°

Tuesday, Jan. 29, 1918

Wea
Fine

Early morning cloudy. After that
glad sunshine streaming down
through windless & only moderately
frosty air.

Garden birds 4 Chickadees in lilacs;
4 Starlings eating P. apples; a
jay screaming in jungle.

My forenoon devoted to
writing letters. Miss Holman
& Miss Harkness with me
at luncheon. Miss Harkness
left, shortly after it, because
of illness said to be an overcoming
cold. Fortunately, C. is better able
to get along without her now
than she would have been
earlier in the winter.

She spent her evening with
us & the dogs by a blazing
wood fire in the lower hall
where I played *Euclid's* games
and E. R. S. read Richard Harding
Davis's delightful "Life & Letters".

Cambridge

Ther 10°, 20° Wednesday Jan. 30, 1918 Wea Dull.

A sunless, windless and intensely chilly day not unlike many another experienced of late. Ground now buried beneath 7 or 8 inches of snow rather more than half of which came night before last.

Garden birds. 2 Chickadees at suet; a distant-cawing Crow & nearby-screaming Jay; 3 House Sparrows in clothes yard, the first seen anywhere hereabouts for upwards of two weeks.

Worked all day on Unhappy Introduction composing for it a few lines relating to books written by Samuel & "Captain" Farrar.

Cambridge

Ther 3°, 20° Thursday, Jan. 31, 1918 Wea Dull.

Thin cloudy (with some sunshin in late P.M.), calm, cold & very chilly.

Garden birds: Only 2 or 3 detected looking House Sparrows.

Spent day in Museum but wrote only a few letters. Eyes very troublesome & apparently getting worse steadily. None of my spectacles or other glasses are any longer of much use. Hence the brevity of this diary entry.

Evening in hall with C., E. R. S. & the two dogs. Violon music & reading aloud from R. H. Davis book. Miss Handus still in Boston but expected to return soon.

Cambridge.

Ther 4°, 20° Friday, Feb. 1, 1918 Wea Fine

Clear, calm & cold. Less chilly than yesterday. No change in snow conditions. Excellent sleighing still with a good many pungs running through Brattle Street. Almost no one hereabouts has much coal yet everyone seems to be getting enough to keep reasonably comfortable.

Garden birds. A ♀ Robin & 7 Starlings in Parkman apple tree at 3 P.M. A Jay heard screaming in jungle.

The Henry F. Farrow Co. sent a man this morning to estimate cost of wiring 2 Revere Avenue for electric lights. I spent most of forenoon with him & the Brucers there. Wrote a little in P.M. Eyes behaving somewhat better but still useless for reading fine print.

Cambridge

Ther - 8°, + 20° Saturday, Feb. 2, 1918 Wea Fine

Clear and cold but not chilly. Light westerly wind.

Garden birds. 2 Chickadees; a Jay; a Starling and a Flicker together in Parkman apple tree; a Crow heard cawing faintly.

Spent most of day in Museum writing letters & cheques for bills.

Started for a walk up Brattle Street soon after luncheon but went no further than to Appleton Street because of darkness & darkness. Constant coughing me of late. My eyes, also, are exceedingly troublesome. Jerry is very feeble & we are anxious about her. C. continues to improve & comes down stairs freely.

Cambridge.

Ther 2°, 28° Sunday, Feb. 3, 1918 Wea Stormy

Cloudy with light, intermittent snow-fall, totaling no more than an inch or so.

Garden birds: 2 Chickadees, a Flicker, a Jay & a Crow

Worked on Introduction this forenoon, copying & recasting matter composed a week or more ago.

Spent most of afternoon with the Spelmans, by their library fire. Called on the Allyn's afterwards but stayed there only a few minutes as they were about to have an early supper. Allyn our only dinner guest.

Evening spent as usual, in hall with Victoriana music etc.

Cambridge.

Ther 8°, 15° Monday, Feb. 4, 1918 Wea Fine

Cloudless with strong westerly wind and dry, bracing, cooling air.

Garden birds. A Chickadee, a Jay & a Starling.

Forenoon devoted to answering letters, including one from Herbert Gardner accompanying a copy of his book "Common Duck Shooting with me". This I am reading at odd times & with much interest.

Working on Introduction in P.M. Recast & recopied two pages. Somehow I can not get on with it.

Evening spent in hall with C., E. R.S. & the two dogs. House barely comfortable & that only near an open wood fire

House fire on Brattle St. Cambridge.

Ther - 10°, 0° Tuesday, Feb. 5, 1918 Wea Fine
- 10°, 0° Intense cold.

Brilliantly clear with strong N. W. wind. Coldest day but one (Dec.) of entire winter thus far. - 10° sometime last night, not above 0° at any time to-day.

Garden birds. Chickadee, Jay & Flicker heard. Nothing wearing feathers seen.

Forenoon devoted to writing letters & cheques for bills.

Shortly after luncheon a fire broke out in attic of Endicott house, Brattle Street. I got there a few minutes later. Street already crowded with engines, fireman & onlooking people including many neighbors. Flames & smoke issuing from every part of roof. Firemen worked systematically if rather slowly, & soon had two lines of hose playing inside garage. Fire wholly out by 4 P.M.

Cambridge Charles E. Fay's death.

Ther - 3° + 30° Wednesday, Feb. 6, 1918 Wea Dull.

Cloudy with snow & sleet falling now & then through calm, chill air. Temperature rising steadily, to relief of every one. The cold snap thus terminated has been in some respects more trying than the December one. Nantucket Sound said to be frozen over. Torosund reports ice floes covering ocean almost as far as eye could reach, last Sunday, off Cape Ann. He could see no open water of much extent save on horizon where it showed as a blue streak.

Garden birds. 4 Chickadees as usual. Flicker & Jay heard. No House Sparrows since Jan. 30.

Spent day in Museum working on Introduction but making no progress with it. Dyer had, made conference. John Deane called at 4.00 & left at 6.00. Family coming in hall.

Bessy Jefferson's death - Cambridge

Ther Thursday, Feb. 7, 1918 Wea
22° wof. Dull.

Dark cloudy, calm, very chilly. Little variation in temperature all day. The fire since yesterday morning must have brought to countless people short of fuel. We have had enough to keep both house & Museum fairly comfortable although there have been times when this was not the case. Elsewhere than close about a fire place failed high with blazing logs. The large Museum room has been heated mostly by an air-lyte stove.

Garden birds. 3 Jays & a Flicker in the lilacs; an unseen crow cawing not far away.

Worked all day on Introduction, making some progress.

A cable message from Georg Jefferson in London came about 10 a.m. It reads "Bessy joined the boys last night. Please tell mother". This is a terrible shock to C. & indeed all of us.

Cambridge

Ther Friday, Feb. 8 1918 Wea
14° 22° Fine

Brilliantly clear with crisp, windless air, devoid of penetrating chill.

Garden birds. 2 Chickadees at sent; 2 House Sparrows in clover yard.

Spent forenoon in Museum working on Umbagog M.S., afternoon in or near Harvard Square where I visited Beekun's greenhouse to get some flowers for to-morrow's 40th anniversary of C's & my wedding day. Also had hair cut by Mack.

Found walking different because of distress & shortness of breath.

C. went in town this morning to see Dr. Cherry & returned much depressed by his admission that there "has been serious loss of eyesight within past seven months, or words to that effect. Bessy's death has, of course, been an added & indeed crushing blow, & C., too, is pathetically broken & feeble."

Cambridge.

Ther 12° 26° Saturday, Feb. 9, 1918 Wea Stormy

Dark cloudy and intensely chilly with alternating snow and sleet, the total accumulation of which is not more than four inches in depth. Many of the snow flakes falling between 2 & 2.30 P.M. must have averaged three or four inches in length by an inch or two in breadth. They came thick & fast at times reminding me of so many down-sweeping Swallows as I watched them from C's chamber windows. No others approaching them in size have ever been seen by me before.

Garden birds. 2 Chickadees,
2 Jays.

Fortieth anniversary of G. & my wedding day. We spent part of it together in her chamber & the evening by hall fireside. I worked several hours on the baby MS.

Cambridge

Ther 20° 28° Sunday, Feb. 10, 1918 Wea Dull

Thin cloudy with occasional snow flurries.

Garden birds. 2 Chickadees,
a Jay and a Crow.

Writing letters in forenoon. C. went in town to sermon at St. Paul's. G. & my father accompanied her & was our only dinner guest, Miss Allen being confined to her room by a slight illness.

Dr. Stevens came at 3 P.M. to give me a thorough physical examination. It revealed nothing wrong with heart, lungs, kidneys or blood pressure. He therefore concluded that, although of no great age, all my present aches & pains - including eye troubles, were - must be due to indigestion.

Called on the Almys 6-6.30 P.M. Usual family gathering in hall this eve.

Cambridge.

Ther 18° 34° Monday, Feb. 11, 1918 Wea Fair.

Partly cloudy, mostly sunny but very heavy. Light westerly breeze.

Garden birds. 2 Chickadees & a Jay. Crows cawing in distance.

Spent most of day in Museum, working on Introduction and recopying parts of it, for not less than the twentieth time. At this rate it might occupy me for a lifetime equalling in length that ascribed to Methuselah.

Walked up Brattle St after luncheon. Carpenters re-roofing Endicott house so damaged by recent fire. Snow now almost a foot in depth & covering uniformly every square yard of street, sidewalk & city lawn. It has not melted much anywhere for weeks.

Cambridge. Mid-winter thaw.

Ther 30° 41° Tuesday, Feb. 12, 1918 Wea Dull.

Thin cloudy with some brief intervals of sunshine & little or no wind.

First real thaw since December last. Snow melting rapidly in city streets. Rising temperature an unspeakable relief to those of us who have found recent unprecedented cold so very hard to bear. It is most welcome also to the many ill-supplied with fuel still.

Everyone agrees that winter so severe and depressing has ever come & gone within his or her recollection.

Garden birds. 2 Chickadees & a Jay.

Working almost all day on Embargo M. S. & still putting over it Introduction & Preface.

Walked up Brattle St. as far as Elmwood, soon after luncheon.

Cambridge

Ther 30°, 46° Wednesday, Feb. 13, 1918 Wea Fair

Mostly sunny despite a partly overcast sky. Almost or quite windless and very mild. Brattle Street gutters brim-full with rapid flowing snow water which also overspread bordering sidewalks in many places.

No bare ground as yet except in central portions of much traveled city streets.

Garden birds. Chickadee & Jay heard. Crow seen flying over.

Devoted entire day to work on Ambages Preface, thereby bringing it somewhere near completion. Gilbert type-copied "Gaut Garby" story, compiled by me a week or two ago from a reprint in Maine works.

C. attended morning service at St. John's. I walked up Brattle & down Highland St. after luncheon, meeting & talking with Carruth but encountering no birds save a few House Sparrows in Sam Henshaw's yard.

Cambridge. First Spring bird-voices

Ther 24°, 40° Thursday, Feb. 14, 1918 Wea Fair

Calm, mild & thin cloudy with some pale sunshine. City gutters again-filled brimfull with snow water & sidewalks flooded here & there. Bare ground beginning to appear on southern-facing slopes.

Garden birds. A Chickadee & a Jay. The former was uttering its Phebe notes at 9 a.m. Coming from somewhere in the lilacs they were repeated many times & seemed very good to hear.

Working on my Ambages in S. made rather good progress. Gilbert now type-copies it for me & very accurately.

Walked up Brattle St. to Elmwood & back thro Highland St. after luncheon. Saw no birds in places. Heard a few in Sam Henshaw's yard.

Cambridge.

Ther
52° max

Friday, Feb. 15, 1918

Wea
Dull

Early morning rainy. Rest of day
overcast, calm & very warm for season.
Snow almost wholly gone and ground
bare in places but mostly overcast
in ice. That rose six weeks or more
ago. Frost in city streets said to
extend down six feet. Many catch
basins continue from thinning
flooding streets & sidewalks. Better for
all form of Sparks Street surrounded by
water & visited by no one for
several days past.

Garden birds. Not one seen on
road. No house sparrows here.
Feb. 8 and only two on this since
Jan. 13. Charles Watson tells me
he finds almost none elsewhere
in city. I am beginning to think
that nearly all have been killed
of cold or hunger coming in this weather.

Worked on Cambridge St. in forenoon
tried a block of masonry in fore-
noon. Shall work after
dinner house in afternoon.

Cambridge

Ther
18°

Saturday, Feb. 16, 1918

Wea
Dull.

A fair day unconformably chilly
but almost windless. Everything
out of doors frozen stiff again.
I noticed yesterday for the
first time that squirrels were
beneath a great number of
oak trees already bare
the painted green coats about
the surface of the ground.

Just one found - none others.

It mostly is a garden in
the city in winter, having some
hedges & other masonry
I see, who want to know in
forenoon, brings word from
Buck that the small cabin,
built on the Hill, was
just been covered & moved
to the farm. said that Sept.
last already. It is 22 ft
high as it

Cambridge.

Ther
18°, 26°

Sunday, Feb. 17, 1918

Wea
fine

Bleak & cool with light
westerly wind. About 3 in.
of rain, day & some came last
night so we have a whole
world again.

Garden birds. When they heard,
from down flying over. One
rather bird, easily recognized by
a dangling broken leg, has
been about here all winter.

Wrote letters in forenoon.

Miss Ellyn only guest at dinner
talking up Brattle St. at 3 P.M.

I overlook George & Mary Doane.

We kept on together. Edward &
Edmund & George had their but
Mary turned back & I started
her home. Went home to the
Spelmans & remained there until
6 P.M. when I called on the
Brooks, staying half an hour.

Great family coming in next

Cambridge - Boston.

Ther
5°, 30°

Monday, Feb. 18, 1918

Wea
fine.

Brilliantly clear with crisp, dry
air devoid of chill & almost windless.

Garden birds. in museum. Chickadee
heard calling - nanager else.

Worked on embroidery at 5. and 7.
12.30 & then started for Boston
with some doubt as to reaching it,
because of congestion & familiarity,
attending my slow progress down
lower Sparks street, these conditions
frustrated me with total collapse
in Washington St. Subway where
I ran into people and clung to posts,
gasping for breath. On reaching our
office I spent half an hour on the
couch & then went to the inspection
for lunch. Feeling better after that
I read, signed & wrote to some
personal & friendly letters in my
room. I was in a hurry to go to
Mr. Davis kindly brought me home
in his Simplex car. 1 P.M. reaching there
I started two more letters on my list.

Cambridge

Ther Tuesday, Feb. 19, 1918 Wea
54° max. Stormy

Dark - lowering skies, incessant warm rain and gusty southerly wind. Combined to make the day seem dreary but also to free city streets, sidewalks & lawns from almost all snow & ice so long encumbering them.

Garden birds. A Chickadee heard calling and two Crows seen high in air over all I noted.

Working all day on History in S., revising several pages of the long since composed Introduction, which I had typed for me rather neatly with the "Corona" type writer machine.

Walked down Craigie St. to Berkeley, after luncheon. This brought on distressing shortness of breath etc. Dr. Stevens saw me later. Dick Dana called at S. St., staying above, as have several family evening in lower hall.

Cambridge

Ther Wednesday, Feb. 20, 1918 Wea
50° max. Fine

A March-like day, with brilliant sunshine and warm air tempered by cool & violent westerly wind. Comparatively little snow or ice remaining hereabouts. Everything begins to wear a Spring-like aspect. Our city knows how we have lost all traces of autumnal green & the brown earth is good to look upon once more.

Garden birds: none whatever that attracted my notice.

Working all day long at my customary task, together with some necessary correspondence. Walked up Brattle St. to Fay's station shortly after sunset. It was then frostily cold as well as very blusteringly windy. Because perhaps, of these conditions the shortness of breath & general debility affecting me of late were more distressing than ever. Went off early evening in warm hall.

Cambridge

Ther 5°, 10° Thursday, Feb. 21, 1918 Wea Fine

Winty conditions back again.
Intense cold, accompanied by violent
N. W. wind, and but slightly
tempered by bright sunshine from
S. cloudless sky.

Garden birds: I noted only one,
a Chickadee visiting the small
"fat" hange beside my study window.

Work on Umbagog M.S. occupied
me throughout entire day. As
heretofore it was confined to
revising matter composed for the
Introduction several years ago.
Some of this reads well enough
but much has to be considerably
changed & perhaps rewritten.

Our evening readings have
been devoted of late to Melville's
"Typee" a delightful story only
brought to my attention recently
by Roland Thaxter.

Cambridge

Ther 0°, 16° Friday, Feb. 22, 1918 Wea Dull

Dark cloudy and very chilly as
well as cold yet without much wind.
Bright snow fall in P.M. - soon
whitening the ground when night
set in.

Garden birds, A Northern Shrike,
2 Blue Jays & a Flicker. Perhaps
I should add to this list a
House Sparrow, for the Shrike was
busily employed devouring one
when Percy drew my attention
to him. He was then low down
in a Syringa bush growing close
to our kitchen door when Percy &
I approached him within three yards
or less. I then saw that he was a
rather dull-plumaged Butcher Bird.
Shortly after this he flew off into the
jungle or beyond with the Sparrow
in his bill. It is the only one that
has been seen hereabouts since Feb 8.

Spent most of day in the same
writing letters & clippings for the

Cambridge

Ther 20° 30° Saturday, Feb. 23, 1918 Wea fine

Clear & cold but almost windless.
Everything whitened by an
inch or so of fine, dry snow
that came yesterday afternoon
& evening.

Garden Birds: Chickadee heard,
Crows do. latter met with in
great numbers in Dakota Rock M.,
Bel. now, yesterday, by H. M.
Spelman who thinks he must
have seen 250 birds in all,
I should like to know what
so many can find to eat there

A rather unproductive day. Read through most of *Crucible* b. 3 for Preface & Introduction. It evidently needs much further revision & a lot of superfluous matter should be eliminated. Wrote letters in P.M.

C. went in town to see Dr. Cheever.
We all spent evening in her room
& reading Typee

Cambridge

Ther. Sunday, Feb. 24, 1918 Wea
42° max. 7 mi.

Clear, calm & springlike.
Recent-falling snow all gone or
nearly so.

Garden birds. Northern Shrike
singing in jungle at 9.30 A.M.
He uttered only two or three notes,
all soft & pleasing, one repeated
many times oftener than any of the
rest. His presence in this might
mean, perhaps, have something to
do with the long-continued &
almost total absence of House
Sparrows but from what I
can learn these birds have
disappeared similarly from most
if not all, other parts of
Siam during the past
month or two.

Writing letters all forenoon & late afternoon. C. went in
to church. We had served a
dinner. This was last Concord. Tuesday
is the half cent. The Spectator &
Mass Alliance, they departed at 4 P.M.

C. had a "fun" day but we all sat with her in her chamber this evening.

Cambridge

Ther Monday, Feb. 25, 1918 Wea
50° met Fine

Clear, calm & very mild. Altogether
more near spring-like than
yesterday.

Garden birds. A Chickadee
giving its throat call in the
sillars at 9 a.m. and a
Northern Shrike, no doubt the
self. same bird here yesterday,
which Percy Harris seeing &
hearing early this morning, as
it sat perched in an elm
over our lawn, singing freely.

Spent most of day in
Museum, working on Unabog
M.S. and recopying some of
it compared earlier in the winter.

C. kept to her room & had
by all accounts a very unsettled
day - as seems to happen often
just after a visit to her oculist.

I walked up Brattle St to
Fayerweather after sunset, returning
much exhausted & also affected by rain.

Cambridge

Ther Tuesday, Feb. 26, 1918 Wea
Fine

Because of warm rain & southerly
wind, continuing last night there
was little snow or ice to be
seen anywhere this morning.
The skies cleared by 9 a.m., after
which we had a sunny but
March-like day, made so by
harsh N.W. wind & falling
temperature.

Garden birds: Two Jays in
sillars, several Crows on wing
overhead.

My day devoted to writing letters
& copying Unabog M.S.
which Gilbert copied.

Discouraged by yesterday's
experience with up-street
exercise I attempted nothing
of the kind to-day.

Cambridge

Ther 24° Wednesdays, Feb. 27, 1918 Wea

Sunny, calm, frosty but not chilly.

Garden birds. Only a Flicker seen by Percy.

Worked on Umbagog Introduction in forenoon. I am now trying to assemble and connect a lot of more or less unrelated matter composed at various times. It is a different task at which I can make only slow progress.

Leah Proctor came from Concord at 3 P.M. to report on his wood chopping at Holden's Hill. Thus far he has cut 3 1/2 cords there. I have paid him for 22 of them. He will now cut out at 3.00 a cord at Davis Hill.

Dr. Stevens came at 5 P.M. He advised me to give up all out-door exercise for the present.

C. went in town at 10 A.M. to see Dr. Cherry & Dr. Williams in consultation. They agreed that his right eye must not be operated on at present.

Cambridge

Ther 38° Thursdays, Feb. 28, 1918 Wea Stormy

Dark cloudy & very chilly with incessant sleety rain after 3 P.M.

Garden birds. 4 Crows cawing lustily and circling low over me alighting.

Worked on Umbagog M.S. in forenoon, rewriting a page of Introduction.

Judge Abbott came out at 3 P.M. to stay until 5.

He was most entertaining & I enjoyed talking with him exceedingly. I suggested the appropriation of some more money from our Public School Fund to improve playgrounds etc. at Wolfboro & Ingenton. He thought \$600 or 700 could be so used to good advantage & promised to send me a statement regarding expenditure of last allotment for improvement.

Mr. Winterbottom, Salvation Army, called later. I greatly liked him.

This decision is a great relief to both her & me.

Cambridge

Ther

Friday, Mar. 1, 1918

Wea
Stormy

Another stormy and foggy
cloudless day, intensely chilly &
dark cloudy, with occasional
sleet rain for some time.
Stormy and foggy.

Garden birds: none whatever
that attracted Percy's or my
notice.

Worked all day on a
short passage for 'Murex's
Introduction', which could
not be made to come right.
My eyes are behaving somewhat
better, my strength seems to
fade from day to day. Nevertheless
I keep at my work without
discomfort now. That all
out-door exercise has been
discontinued, by Dr. Stevens's
advice. E. keeps mostly to her
chamber. E & I go there twice
or three daily, for half an hour
or so, to have bottles read about.

Cambridge

Ther

Saturday, Mar. 2, 1918

Wea
Fine

Sunny, calm and rather mild.
A light powdering of snow falling
overnight whitened the ground
here and there this morning.

Garden birds: Several Crows
cawing loudly at sundown, a
Chickadee heard later in the day.

My customary task engaged
most of my time & thought
during the entire forenoon &
part of the afternoon until
interrupted by Dick Dana
who called at 3 P.M. &
stayed up to date of the hour.
He will start on a western
tour to-morrow, to be gone
a couple of weeks.
Our winter buds are doing well.
Paper whites began blooming at
Christmas, crocuses two or three
weeks ago, the first tulips, jonquils
& hyacinths within the first few days.

Cambridge

Ther 24°, 32° Sunday, Mar. 3, 1918 Wea Fine

Bright sunshine, frosty cool temperature and boisterous N.W. wind combined to make a typical March day of, by no means wholly displeasing kind.

Miss Nathurst is said to have picked the snow drop blossoms in Deane's Rose's grounds within the past few days, but none have as yet appeared as such.

Garden birds: 2 or 3 Crows causing much noise.

My forenoon and late afternoon were devoted to writing letters. I also looked over some Montagu's manuscripts. C. went in town to church with Lorry & others. She spent most of evening in lower hall, but did not come down to dinner at which our only guests were Charlie & Mrs. Lamb. They stayed until 4 P.M.

Cambridge

Ther 15°, 24° Monday, Mar. 4, 1918 Wea Fine

Cloudless, windless & cold but without penetrating chill.

Garden birds: 2 Chickadees & 3 Blue jays in the lilacs; 5 Crows perched high above ground in the lindens, causing vociferously.

Worked all day on the boys' introduction, trying in vain to piece together in some effective order a lot of matter that defies such arrangement although in itself by no means ill composed.

After repeated urging the Hellingtons & Besant people have at length sent us a ton & a half of range coals. This we have been short of for several weeks during which Percy has been using furnace coal instead, breaking it with a hammer. C. E. R. S. & I found a pleasant young in lower hall, with beetle music & leaf.

Cambridge

Ther Tuesday, Mar. 5, 1918 Wea
Fine.

Clear, calm & mild. Snow
fell to a depth of 4 or 5 inches
some time last night but to day
warm sun melted almost all
of it except in shaded places.

Garden birds: Winter Wren, Catbird,
Crows & screaming Jays, apparently
not more than 2 or 3 of each.

Spent entire day in Museum,
working somewhat on Humboldt
manuscript, but mostly on data
that Galloupe must have in
order to make up my Federal
Income Tax return - due not
later than April 1 and a tower
of infinite trouble & vexation
to shame anyone of us.

Cambridge

6 Ther Wednesday, Mar. 6, 1918 Wea

Spent forenoon & early afternoon
in Museum, writing. Taken ill
about 4 P.M. with nausea &
dizziness. The former became
violent when I reached my
room. After that I had a rather
wretched evening & a troubled
night. I am writing this &
the next following entries (Mch. 7,
11, & 12) a month or more later,
from memory. Because of my
illness nothing whatever was
entered in the diary from
March 6 to 23, inclusive.

Ther

Thursday, Mar. 7, 1918

Wea

Another heavy attack of nausea
just before day break. Dr. Stevens
came about 8 a.m. & Miss Hester A.
Arithers, professional nurse, are here
or two later. This began a
period of some two weeks
spent tediously but painlessly,
in bed. The Doctor called it
nervous dyspepsia. It troubled
me greatly at first.

Ther

Friday, Mar. 8, 1918

Wea

Ther. Saturday, Mar. 9, 1918 Wea

Ther Sunday, Mar. 10, 1918 Wea

My last sight of Jimmy

Ther Monday, Mar. 11, 1918 . Wea

Jimmy came into my room and bed when the nurse was at supper this evening. He curled up against my thigh and licked my hand gently with the tip of his soft little tongue, after his usual custom on such occasions. I covered him well with a red blanket, for the room was cool. Thus we lay together, as he has so often done before, until the nurse came back and took him away in her arms. That was the last I saw, or shall ever see, of him on earth. But a few nights later I dreamed that Charon was ferrying me across the Styx & that as we approached the further shore "Jimmy" was there to greet me with wagging tail & smiling, loving eyes & when I landed he whirled around & around many times just as he always would when eager to pass out or to run through a door or gate. All this seemed very real. I was rather ill at the time

Cambridge. Jimmy's untimely death

Ther Tuesday, Mar. 12, 1918 . Wea

"Jimmy", my Irish Terrier, was run over by a motor truck about 10 a.m. and breathed his last some 20 minutes later. Of this they told me nothing until late in the day I being then in bed & rather seriously ill. Percy's account of what happened, as given me by him several weeks later, is as follows. Jimmy was let out in the Garden about 9.45 a.m. He found a hole in the wire fence on Spence's St. & escaping through it made his way down that street to Craigie St. where he was run over not far beyond the watering trough. A small boy who noticed him lying there brought word to Percy. The ground was covered rather deeply with fresh fallen snow & he was lying in this just outside the roadway. He did not seem to know either Percy or Gilbert when brought in to the Museum. Thus perished this very dearest dog I have ever had. The news of an unannounced one completely on my weakened condition

Ther Wednesday, Mar. 13, 1918 Wea

Ther Thursday, Mar. 14, 1918 Wea

Ther

Friday, Mar. 15, 1918

Wea

Ther

Saturday, Mar. 16, 1918

Wea

Ther

Sunday, Mar. 17, 1918

Wea

Ther

Monday, Mar. 18, 1918

Wea

Ther

Tuesday, Mar. 19, 1918

Wea

Ther

Wednesday, Mar. 20, 1918

Wea

Ther Thursday, Mar. 21, 1918 Wea

7 Ther Friday, Mar. 22, 1918 Wea

Ther Saturday, Mar. 23, 1918 Wea

Ther Sunday, Mar. 24, 1918 Wea

Brilliantly clear & delightfully
warm with little or no clouds

Ther

Monday, Mar. 25, 1918

Wea

Overcast with pale sunlight,
calm, very warm

Garden birds

Ther

Tuesday, Mar. 26, 1918

Wea

Overcast with more or less sunshine
& occasional flurries of snow flakes.
Aid said to be very chilly.

Garden birds. 2 Fox Sparrows, 3
House Sparrows, 4 Crow-blackbirds
a Blue Jay & a Northern Shrike.
All these I saw from the morning
room window in or near the
lives beneath. Through them
the Butcher bird chased one of
the House Sparrows to & from.
Whether he finally caught it or
not I was unable to see.
Before pursuing it he sat perched
erect & motionless for several
minutes in a Hawthorn by the
pond, apparently watching a place
where the Sparrows come to feed
now.

Up all day after 10 a.m. Sparrows
forenoon in morning room.
Harry Gelman called at 9 & Dr.
Stevens at 11 a.m.

Ther

Wednesday, Mar. 27, 1918

Wea

Ther

Thursday, Mar. 28, 1918

Wea

25' at dawn

Friedrich

Brilliantly clear with sun on
the snow. Very warm. Wind
light. Middle hours warm.

...side a ...
...in Sharpe House, Fox ...
...House. Specimens are placed
...W. in jug. Bronze Grills
flitting hither & thither.

Feeling stronger to day. Spent
most of forenoon in moving
room, watching birds in
bloss & garden.

Had first breath of out doors
at noon when with Miss Anthon
I walked up & down planks
front of Mus. & out to Railroad
car. Had lunch in den.
Walter D. called at 4 P.M.,
staying only for minutes.
Spent part of evening in conver-
sation with C. & J. H. the latter
reading for Anna.

Cambridge

Ther

Friday, Mar. 29, 1918

Wea

Fine

Clear & cool with light easterly wind.

Garden birds. A Robin singing delightfully at evening in our lindens; a Fox Sparrow & several House Sparrows in lilacs; Goldfinch heard calling (the first call); 2 Crows, a Jay & a Flicker; 6 or 7 Crows & Blackbirds.

Dr. & Mrs. Gehring came from Bethel yesterday to the Touraine in Boston. The Doctor spent several hours (10.30 a.m. - 3.30 P.M.) with us to-day.

C. & I had long & helpful talks with him. He & I walked in the Garden at noon. After luncheon Dr. Stevens came to meet him.

With them I spent night hours in den, talking over things. They advise my going to Concord as soon as possible & later to Bethel.

Spent part of eve in lower hall part in C's room. Larry & Ellen called.

Cambridge First Snow-drops & Squills

Ther

Saturday, Mar. 30, 1918

Wea

Fine

Clear, calm, warm, a really spring-like day wholly free from chill. There snow-drops & several Squills in bloom front of Museum & one snow-drop on banking front of house. These apparently the first to bloom within our grounds. Elsewhere they have appeared long ago. I'm told, Danneberg Row has a fine show of them now.

Garden birds: A Robin, several House Sparrows & 3 Crows & Blackbirds were all I noted.

Although House Sparrows are evidently greatly reduced in numbers in this neighborhood I saw at least 25 of them picking manure to pieces on a lawn below Harvard Sq. to-day.

Walked twice in Garden & mistletoe with Dr. Stevens to Cor. Broadway & Spring St. latter trip used me up rather completely for the time. Evening reading in hall.

Easter

Cambridge

Ther
68°

Sunday, Mar. 31, 1918

Wea

Perfect

Clear, calm, very warm.

Seldom if ever before within my recollection has the outgoing of March been so altogether "camblike".

It would be now an early Spring but for the great depth of unsettled frost underground. This is so retarding vegetation that it is really late instead of early. Thus there is no green grass as yet & not many crocuses or snowdrops. Yet the ground has been free from snow & ice for a week or more.

Garden Birds. 4 or 5 Robins in full song at evening; Northern Shrike (fully adult yet a rather dull-colored bird) singing fitfully, in both forenoon & afternoon, while perched only 4 or 5 ft. above ground in very middle of dense branched Park apple tree. 2 Flickers ♂ & ♀ both shouting at once at edge of jungle; 2 Jays; sev. Crow Blackbirds. 2 Crows flying to & fro in lindens.

Spent much of day out doors walking slowly in Garden & along Brattle to Sparks St. Dick Dana & Harry Spelman called in P.M. C. went to Church from St. Johns, then at St. Pauls, with Larry Fuller & Miss Swartz. We sat in his room that evening.

Cambridge

Ther
72°

Monday, April 1, 1918

Wea

Fine

Cloudless with light westerly winds. Unseasonably & hence rather oppressively warm. Many Squills & Crocus blossoms with Honey-Bees hovering about them. No remaining snow or ice. Saw a little ice behind our house. Grass lawns showing no signs of life. Many winter-killed hemlocks & Shadoblooms.

Cambridge

Ther
70°

Tuesday, April 2, 1918

Wea
Fine

Duplicate of yesterday as to weather but with stronger W. wind. Green grass at last but only on sunny & sheltered banks. Lots of Squirrels & Crocuses

Garden birds: Fox Sparrows, Robin, 5 Crows Blackbirds, 2 Crows.

Spent much of day in garden watching Perry at work clearing up flower beds & walking slowly hither & thither - once outside our grounds & up Railroad Ave. to Braintree St.

Cambridge

Ther

Wednesday, April 3, 1918

Wea
Dull

Cloudy & chilly with light drizzle of rain.

Garden birds, A Fox Sparrow eating seed in clothes yard; a Robin singing well at evening; 4 Crows together in the lindens, also 2 Pine Jays.

Spent day in house & mostly in my chamber, being so oppressed & handicapped by dizziness & weakness that I could not move about without suffering from the motion or some one else. Altogether it was for me a mean day - perhaps the meanest of any since I left my bed. Dr. Stevens suspects that some bromide solution I have been taking may have caused this retrogression & he has ordered its discontinuance.

Cambridge

Ther Thursday, April 4, 1918 Wea
40° max. Fair

Forenoon cloudy, afternoon partly
sunny. Cool & chilly. Hardly any wind.

Garden birds. An unseen Fox Sparrow
in nearly full song at 2 P.M.; a
Robin or two, 4 or 5 Crow Blackbirds

Feeling much better to-day. Dizziness
mostly gone. Two walks in Garden,
one accompanied by C.

Walter Deane called at 5 P.M. staying
half an hour.

Cambridge

Ther Friday, April 5, 1918 Wea
Fine

Brilliantly clear with boisterous N.W.
wind. Pond in front of Mrs. Sherrard
over with thin ice at sunrise.

Garden birds: a Fox Sparrow, a Crow
Blackbird

Ther
65°

Saturday, April 6, 1918

Wea
Perfect

Clear, calm, warm

Garden birds.. A 40y Sparrow; 3 Robins, 5 Crow Blackbirds; Sparrow Hawk skimming low over jungle, calling klee-klee-klee; 8 or 10 House Sparrows.

8

Ther

Sunday, April 7, 1918

Wea
Fair

Sunny but hazy, calm, warm
Thousands of Squirrels in bloom & hundreds of Honey Bees about them. Japanese Barberry bushes, front of house, covered with unfolded tiny leaves. Maples & elms in full bloom

Garden birds. 3 Robins; 2 Blue Jays; a ♂ Sparrow Hawk skimming low; 6 or 8 House Sparrows.

Had two walks in Garden & one up Brattle St. as far as Chestnut place. Very dizzy & rather feeble all day. Miss Allge at dinner when I saw her although having then finished my own dinner. All my meals are still eaten apart from the family & cooked by the nurse, Miss Arthur.

Cambridge

Ther

Monday, April 8, 1918

Wea
Fair

Clear, calm, seasonably warm - or cool.
Grass slowly turning green in places
but not generally so yet.

Garden birds. 3 Robins, a few
a Jay, 8 Crow Blackbirds, a
Flicker (shouting at short, regular
intervals).

Took several walks - the longest
with Percy through Brewster St. to
Appleton & back by way of Heath.
Otherwise this day passed much
as do they all now. I can
no longer hear much use of
my eyes for any purpose.
Loony reads the war news to
me & also reads or lets John
read, daily. Just now she
is reading Trollope's "Autobiography"
which I am enjoying quite as
much as when first read to
me twenty or more years ago.

Cambridge

Ther

Tuesday, April 9, 1918

Wea
Fair

Partly sunny, mostly cloudy. Cool
with light easterly wind.

Garden birds. 3 Robins, 8 Crow Black-
birds, 2 Crows, a Jay a few
House Sparrows.

Had my hair cut at Mark's in
forenoon. Gilbert motivated me
down & back. This did not trouble
me nor did a walk of about 1/4
mile, taken with Percy, after that
but I was too drowsy in the
afternoon to move about freely.
Dick Dana came to see me at
5:30, staying until 6. He had
just returned from New York & goes
back there again to night.

Cambridge

Ther Wednesday, April 10, 1918 Wea
38° max. Fair

Partly sunny, partly cloudy with
strong & intensely chill N.E. winds.

Garden birds. Only 2 Robins & one
or two Cross Bluebirds.

Walked twice around the Brewster-
Appleton - Brattle St. square, both
times accompanied by Percy. I
might have got along well enough
without him for there was no
doubt to speak of on either of
these occasions. My strength is
returning fast now.

Cambridge

Ther Thursday, April 11, 1918 Wea
36° max. Dull

Cloudy with piercingly chilly N.E.
wind. Vegetation at standstill.

Garden birds. A Robin or a Blue Jay
- were all seen or heard by me.

Spent most of day in doors but
took one short brisk walk with
Percy at noon, going around the
Brewster - Appleton - Brattle St. square
at my very best pace, in order
to keep warm. It was an
uncommonly disagreeable day for
this time of year.

Cambridge

Ther
36°

Friday, April 12, 1918

Wea
Stormy

Snowing hard all day much of it melting as it struck but more accumulating until by night it covered the ground uniformly & almost everywhere to a depth of from six inches and loaded the trees with snow foliage of exquisite purity & beauty besides plastering their trunks well on the easterly side whenever the wind came. It is not often that we have such a show as this season.

Garden birds. Only a Robin and a couple of Crows Blackbirds, all looking very forlorn.

Entire day spent in house. I read aloud to me & C. & I walked & talked together up stairs. We sat in hall & played Vibrator a little after supper. Dr. Stevens came to see me about noon. I did not go out all day.

Ther
34°

Saturday, April 13, 1918

Wea
Dull

Thin cloudy with a few snow flakes falling now & then. The snow that came yesterday shrinking fast & wholly gone by noon from streets & sidewalks although still covering our lawns to a depth of several inches. From the trees more of it blew away or melted before sunrise this morning. The entire day cooler but less chilly than yesterday.

Garden birds. A Robin & 2 Blue jays - all three seen in our bird box.

Another tedious day spent almost wholly in doctor's matters. I did have one outside walk with Percy going up Brattle St. as far as to Elmwood, despite much discomfort.

My eyes continue to trouble me & this diary is all I try to write.

Cambridge.

Ther Sunday, April 14, 1918 Wea
Fair

Forenoon cloudy; afternoon sunny
calm & warm. Ground mostly bare
of snow by night. Grass comes out
very green almost everywhere.

Garden birds. A solitary Robin was
all I saw within our grounds.

Near those of Sam Henthorne on
Taymouth St. a Flicker was shouting,
a Song Sparrow singing and half a
dozen Grackles creaking at 5.15 P.M.
There was also a vocal Starling
whistling in the Kennedy place.

Spent forenoon in due writing
chapters for bills. Miss Allyn
dined with us at 1.30 but I
had finished my early dinner about
one hour before then.

Two solitary walks in P.M.,
first up Brattle St. to Elmwood,
second up Highland.

Cambridge

Ther Monday, April 15, 1918 Wea
68° Perfect.

Brilliantly clear, very warm, almost or
quite windless. Altogether a rare spring
day of the very best type. Green grass
everywhere. Early shrubs already green
with tiny unfolded leaves. Horse chestnut
buds bursting. Larch trees green with
young foliage.

Garden birds. ♂ & ♀ Robins; sev. House
Sparrows; a Downy Woodpecker in jungle;
3 Browned Grackles of which one, a
♂ in high plumage, spent the day
moping on ground close to pond, his
eyes half closed & breathing heavily.
I could almost lay hands on him.
He must have suffered serious injury
in some way, perhaps by flying against
the plate glass window. I saw him just
beneath which I saw him first.

Spent most of day in house &
garden doing nothing save from
a few shrubs. In P.M. took a
motor ride with C. to Watertown
Hawthorn & Belmont.

Cambridge.

Ther Tuesday, April 16, 1918 Wea
68° near

Clear with light easterly wind
shifting to westerly before sunset

Garden birds. 2 Robins, 15 Grackles
flying W. at sunset, 2 Starlings
in Parkman apple tree.

Started for a walk at 10 a.m.
Strolled up Highland St, & down
Faymather St. Towards Fresh Pond
trying to trace among the crowded
houses where various former natural
features of the landscape had been
in the days of my youth. This
was mostly futile for everything
was utterly changed. Got very
weary & took trolley car back to
head of Geneva St.

Starting at 3 P.M. in our
Ford car with Gilbert, C. & I
motored to Arlington & then
around the Mystic Pond, a
very attractive ride of an hour
& a quarter duration.

Cambridge.

Ther Wednesday, April 17, 1918 Wea
70° near

Clear & warm with light westerly
breeze. Vegetation advancing fast
& now ahead of its average at this season
if not superseded by forward as respects
certain things. Thus several horse chestnuts
in Nichols & Choate places had quite
opened broad leaves by mid afternoon
& a few Forsythia blossoms had
unfolded in a hedge near Edmund.
The grass is everywhere green, some.

Garden birds. 4 Robins, 8 Grackles
several House Sparrows.

Spent most of forenoon in Museum.
Galluppe came out & together we
went over a lot of Judge Abbott's
vouchers relating to expenditures he
has made for Wolfboro school
play grounds etc. He has called for
another app. of \$1000. which I told
Galluppe to make subject to Buttrick's
approval. I & I motored to Mt. Auburn at
3 P.M. to find some early flowers on
Hemlock grove. Heard a Thrasher
Crown Wren.

Cambridge. Boston

Ther
34°

Thursday, April 18, 1918

Wea
Stormy

Dark cloudy with icy N.E. wind
and alternating steady rain &
fine, dry snow flakes.

Garden birds. 4 Robins, 2 Jays
(one mimicking a Sparrow Hawk
screaming fearfully) a few House
Sparrows & several Brown Grackles.

Accompanied by Gilbert ~~but~~ in
one of Shepard's (Charles River Garage)
cars I motored into Boston at
10 a.m. To have my eyes examined
by Dr. Smyth (69

He found enough trouble to account
in large part for my recent illness. So
he said. Hereafter I must wear glasses
constantly. Mr. Glynes of Pincham & Smith
came by app. to Dr. Smyth's office to
get data & measurements for them.

Home by 11. Two ~~other~~ walks
after that. Evening reading of
Lectures in C. room

Cambridge.

Ther
36° - 46°

Friday, April 19, 1918

Wea
Fine

Clear & cool with light easterly wind.
Horse chestnuts, willows & early apple trees
well covered with tender green foliage.
Forsythia coming into bloom in sheltered
places. A few hyacinths & jonquils
in full bloom.

Garden birds a Hermit Thrush,
2 Robins, several House Sparrows,
4 Crows, several Grackles.
2 Hermit Thrushes together in
H. M. Spelman's garden.

I was in & out of our garden
many times to-day & twice
visited that of the Spelmans where
I first saw Mrs. & one of two
children, afterwards Harry who
had called to see me on his way
out of town.

C. & I dined together up stairs.
E. R. S. went to a meeting of the
Bee at Mrs. Cobb's.

Cambridge

Ther 30° - 42° Saturday, April 20, 1918 Wea Fair

Forenoon sunny, afternoon cloudy.
White frost at sunrise. Very cool all day but windless or nearly so.

Garden birds: One Robin; a Hermit;
a ♀ Flicker, on lawn by June dead;
a Downy W. heard calling; a few
House Sparrows in lilacs.

No Robin singing in this neighborhood
for several days past - perhaps
because the weather is so cool.

Brown Grackles more numerous than
ever but also more widely and
generally distributed. In pairs or
trios I see them almost everywhere
throughout the city as far down
as Quincy St.

Spent most of day out of doors,
superintending garden work
chiefly. Gilbert got a dozen 20th
bushes & some other plants at
Brook Robinson nursery & Pricey & I
set them out in late P.M.

Cambridge

Ther Sunday, April 21, 1918 Wea Stormy

Dark cloudy with strong N.E. wind
and almost incessant rain, very
heavy at times.

Garden birds. A pair of Robins

Took a solitary walk in
forenoon, up Brattle St. & beyond
almost to Grosvenor - or where
these ones were. Saw 4 or 5
Robins & heard one sing.

Those about one place silent
for almost a week past.

Called on George & Mary Deane
in P.M. finding them both
in the old library where we
saw for more than an hour.

Cambridge.

Ther

Monday, April 22, 1918

Wea
Time

Foggy morning followed by brilliantly clear & rather warm day. Strong westerly wind.

Garden birds. 2 Hermit Thrushes with 2 Robins, running about over the lawn near sundial at 5 P.M. Downy Woodpecker in jungle; Starling in big willow; 3 Grackles in tree over Barnard St.; several House Sparrows.

Walked up Highland to Fayerweather St. & back by way of Brattle St.
10.30 - 11. A.M.

In P.M. took a motor ride with C. in our Ford car which behaved rather badly shaking us up a good deal especially when over the bridge.

We went through Arlington to Medford & back the same way. Saw 5 white Herring Gulls on Smith's Pond.

Cambridge.

Ther

Tuesday, April 23, 1918

Wea
Time

Forenoon sunny; afternoon partly cloudy. Very warm. Many trees, including lindens & paper birches, now covered with unfolding leaves.

Garden birds. Robins & 2 Hermit Thrushes, 5 Swamp Sparrows, several House Sparrows & a Downy Woodpecker in the jungle.

I was not a little surprised at the occurrence of the Swamp Sparrows at this time & place. They spent entire day within a few yards of my Museum window feeding in a flower bed that it overlooks, retreating into shade when disturbed. One fearless the other rather timid. Former brown capped bird.

To Harvard Sq. in Ford car at 10.30. Spent an hour in Dr. Andrews' chatelaine. Dined 8.3. for 3.00, took & bought 100 worth of Savings Stamps.

In P.M. motor to Mrs. Camp. Took & saw Sam Henshaw. John Henshaw & Will Stewart called on me at supper time.

Cambridge

Ther Wednesday, April 24, 1918 Wea
First dandelion Fine

Clear & cool with fresh N. W. wind

Garden birds, 2 Robins, several
House Sparrows, 3 Grackles, 2 Crows,

To Harvard Square by Ford car,
at 10:30 to spend 1 1/2 hours in
Dr. Andrews' chair. He filled thin
teeth on a rather painful sea.
After leaving his office I called
at Charles River Trust Co. &
purchased a \$1000 5% bond or
rather ten \$100. bonds giving my
check in payment & taking a
receipt for which the bonds will
be given me when ever I call
for them.

In P.M. took a short walk
through Beal's garden to Dr. Andrews.
Calling informally on Mrs. D. who
who was out in her garden pruning
rose bushes.

I confided in his power to cure
headache. Having read to me in hall
this evening.

Cambridge

Ther Thursday, April 25, 1918 Wea
Fine

Clear & cool with strong westerly wind

Garden birds, 2 Robins, ♂ & ♀; do Blue jays;
do Crows; 2 Hermit Thrushes & a Junco
on ground beneath Parthenon apple tree;
9 Grackles frequently heard all day long;
2 Sapsuckers, one adult ♂, on trunk of
apple tree & maple in jungle, other one
im. ♀ (showing no red on head) drinking
sap from sap. well in trunk of birch
at west end of house about sunset.
Shortly before then I saw both these
Sapsuckers fly off into Hubbard Park
one following the other closely.
Mr. Auburn birds, 2 Robins, Solitary Vireo,
Purple Finch, 2, Flicker 2, Red-wing 2,
Starling 2 on ground, Crows 8 or 10, Rock
Pheasant on ground near tower, 2 Kingfishers
flying together over larger pond.

To Harvard Square at 10:30.

Dr. Andrews filled two front teeth.

Mrs. Melvin called at 3 P.M. bringing
me some beautiful "Fire flower" seeds
single seeds. She introduced me to
Mrs. Auburn who was very friendly
and more, visiting her family for
a while as well as the Purdies.

Saw a Sparrow hawk fly low over
Harvard Square

Miss Anthea departs

Cambridge.

Ther

Friday, April 26, 1918

Wea
Perfect

Brilliantly clear with little or no wind. Sunlight warm. Early morning cool.

Garden birds: 2 Robins, 2 Hermit Thrushes, 7 Grackles, ♂ & ♀ Blue Jay, 2 Sapsuckers ♀ ad. with red crown, ♀ juv with black crown. Both birds in Austrian pine in jungle but at different times.

Mt. Auburn birds. 3 Robins, 2 Song Spar. 2 Flickers, 1 Starling, 6 Crows widely scattered; Ruby crown Kinglets, ♂ Yellow rump W., 4 Yellow Tailed W. Black & White Creeper, several Grackles, a Kingfisher & 2 Night Herons, all close about large pond swimming with Gold Fish. Mallard drake in this pond & drake with 2 ducks in pond at rear of Ave. - these all tame birds. To Mt. Auburn in Ford car. at 11 A.M. spent an hour there strolling about ponds & watching birds. Called on Waller at 3.30. Miss Anthea departed at 1.45 P.M.

Cambridge

Ther

Saturday, April 27, 1918

Wea
Fine

Clear & rather warmer with little or no wind. Vegetation advancing slowly.

Garden birds, Robins ♂ & ♀, 2 Hermit Thrushes (keeping mostly on ground among flower beds in open), ♂ & ♀ Blue Jays near nest, 5 Grackles, Sapsucker ♀ juv. (having no red) on trunk Austrian pine in jungle. ♀ Downy W., 12+ House Sparrows, 2 Crows.

Soldiers Field birds. Meadows Lark ♂ & ♀ a. fine - soiled bird, 2 Song Sparrows chirping; a Flicker shouting off in Camb. Cem. oaks. Several Starlings & Crows on wing.

Left home in Ford car at 9.30. Motored across river to Soldiers Field parkway. Walked about there for half an hour. Saw four trotting horses at exercise & foundation of river bridges. To Dr. Andrews at 10.30. Angell's 4 front teeth. Spent P.M. in Garden & walking about in glen.

Cambridge

Ther Sunday, April 28, 1918 Wea Perfect.

Brilliantly clear with warm sunlight and cool easterly breeze alternating with intervals of dead calm. Vegetation advancing fast. Most of our city trees now green with unfolded or unfolding leaflets. Some of the horse chestnuts in nearly full leaf. Canon berries, Norway, Sugar & Sycamore leaflets in bloom throughout city streets & gardens.

Garden birds 2 Robins, 1 Hermit Thrush, 1 ad. Sapsucker in Austrian pine in fruit, 5 Grackles, a Flicker; 8 of Blue Jays beginning nests in Hawthorn after abandoning one in arbutus betula;

Chippy singing in Hubbard Park & another at Elmwood.

Out walking 9.30-10.20 a.m. Striked up Highland St., down Fayerweather, thence thru Elmwood Ave & Israel St. Called on the

Spickman on Lake, P.D., Henry S. Jr. had seen a pair of Prairie Warblers this P.M. at Belmont Country Park. Henry is the called this country park. Henry had them there P.M.

Cambridge. First Garden Road drilling

Ther Monday, April 29, 1918 Wea Dull.

Cloudy with chill east wind. Vegetation at stand still again.

Garden birds. 2 Robins, 3 Grackles, 6 or 7 House Sparrows, the pair of Blue Jays working on their new nest in Hawthorn at rear of house. Both birds brought sticks to it & worked them into the superstructure. They got all of them in our old red cedar, breaking them off dead branches & trim. Chippy singing in Hubbard Pk.

Hub. Audubon birds. 5 Robins, 3 Song Sparrows, 8 Starlings, 3 Grackles, 2 Flickers, 2 Yellows, 1 Great Horned Owl, a Night Heron, a Kingfisher & 2 Herring Gulls. ad. The three species last named were in large flock, the Heron perched high on elm, the Gulls circling over the pond one of them dropping down repeatedly to drink at fresh pond without success. Motored to Mt. Auburn at 9.30. Then to Harvard Square where I was in a. Andrews chair about an hour.

First cherry blossoms. Cambridge

Ther Tuesday, April 30, 1918 Wea
72° May Fair.

Early morning cloudy. Rest of day sunny, calm, very warm. Vegetation forging ahead fast. First cherry blossoms began opening by 9 a.m. Only a few showing then but very many in full bloom before night. Tulips in bloom everywhere now. Many trees in half leaf.

Garden birds ♂♂ Robin, several House Sparrows, a Chippy & in Hubbard P.K. & another in the Spickard's grounds, 7 Grackles, a Downy & a ♀ ad. Sapsucker, the last making a new nest in the already much perforated trunk of our Austrian pine.

Outram Bangs called at 9-30 a.m. staying most of forenoon. He picked out a lot of breeding Robin & Savannah Sparrows skins to study at Mus. Comp. Zool.

In P.M. I took a short walk. Called on Mrs. Ahoy at 7.30 P.M.

Cambridge, Boston.

Ther Wednesday, May 1, 1918 Wea
Mixed.

Heavy rainfall last night & lighter one this morning clearing before noon. Afternoon mostly sunny. Cool N.E. to N.W. winds.

Garden birds. 1 Hermit Thrush; a new arrival, ad., White Thr. Sparrow; a pair of Robins & of Blue Jays; several House Sparrows.

Percy & I started for Boston at 9.15 a.m. Gilbert motored us to Harvard Square where I called at Chas. Riv. Trust Co. for ten \$100. Liberty Bonds bought the other day. Reached 15 State St. at 9.45. Arthur there just arrived from the South. Galloupe made out my city tangible tax return which I brought & then signed. It is essentially the same as last year's one. Miss Waller went out to Cambridge City Hall to consult the 1917 one for me. Remarked at Thompson's. Called on Mr. Brown in his office. He reports that he has report of Gen. B. Kettle Estate nearly finished. Arthur sent me Brown in his Limousine car.

Cambridge - Concord.

Ther Thursday, May 2, 1918 Wea
Fine

Clear with light westerly wind.
Early morning cool. Afternoon &
evening warm.

Cherry trees in full bloom.

Garden birds. A Purple Finch in
the yard by pond front of Meadow.
A handsome old White Throat
sparrow singing rather freely;
♂ & ♀ Robins; do Blue jays.

Concord Farm. 2 Robins (2x), a
Song Sparrow, a Tree Swallow,
3 White-thr. Sparrows, a Phoebe,
a Partridge, a Pheasant.

Hyles & Garden Toads in full
cry everywhere at evening.

Spent forenoon putting away things
for summer & packing others for Concord
Left home at 2:15 with Gubbie
in Ford car. Went via Arlington Bay
& Bedford. Took several walks about
farm before night.

Concord.

Ther Friday, May 3, 1918 Wea
1 But. in shed left Fine

Clear & warm with light, variable
wind mostly easterly. Vegetation
almost as far advanced as in
Cambridge but no cherry blossoms yet.
Grass in dooryard long enough for first
cutting with lawn mower & superbly rich
& green. Red maples still in flower.

Many birds singing through forenoon;
near house Robins, Song Sparrows,
Townsend bird, Chaffins, Field Sparrows,
Grass Finches, Meadow Larks, Chickadees,
Black & white Crows, Dead. Wrens etc.
2 Yellow rumps & 3 or 4 Yellow Palm
Warblers in orchard. 2 Towhees in
eloc. hedge.

Prof. Norton came down to see
me in forenoon. He had a good
walk in the woods to Beech Field
& Pulpit Rock. I enjoyed talking
with him as always - he is so
intelligent & so deeply interested in
everything pertaining to Nature.
Burbank & I put up several bird
houses & 3 Tree Swallows came to them
at once. I did a lot of pruning at
different times. My strength returning
fast now.

Concord

Ther Saturday, May 4, 1918 Wea
Fine

Clear, calm, comfortably warm
with light S. W. wind.

Shad bush in nearly full bloom.

Five dandelion in dryland.

a few true cataglyphid nests.

Birds singing freely all day.

2. Purple Finch sang in Cedar Park in early morn. At sunset a

Hermit Thrush in full song near

Pulpit Rock & a Brown Thrasher

in ~~the~~ pasture. Three Bettongs

freezing in ~~down~~ along zone,

one near Birch Id., there are

Great Meadows. One bird in

flight song. Robins singing

for 1 year. 3 Sessions above

very large. 15 cm front to back.

Spent most of forenoon working
in flower beds near house, afternoon

Selling out Strawberry Lane in

fire across road, I walked to

Pulpit Rock & along Berens's road

Mrs. H. M. Loomis

Mrs Cunningham called at 4 P.M.

Concord

Ther Sunday, May 5, 1918 Wea
Time

Clear with strong N. E. wind in
forenoon & still stronger S. W. wind

in afternoon. A few cherry trees

✓ most plum trees in blossom.

19. no peak trees show no fruit.

birds whatever. They must have

been killed by this winter cold.

of last winter. Because of a

many trees & shrubs perished or

were badly disfigured as has

happened to nearly all my white

Cedar & then in Backed Swamp.

Comm. The hardier. Va. juniperus

differs similarly in aspect from.

In the larger numbers than 1000

heavy loss, of cone grains especially.

Not feeling well I kept to the house. Through most of the day we took turns on the short walks about the place. Five birds seen or heard. Two here 1. head-on & a handsome cock in full display of plumes & the female affairs in front garden behind &

First apple blossoms.

Concord.

Ther Monday, May 6, 1918
86° max. Bird wave arrives.

Wea
Fair.

Clear & oppressively warm with strong S.W. wind. Vegetation advancing fast. Many trees in half leaf. A few apple blossoms unfolding.

Bird arrivals. House Warbler, 1 ♂ in dogwood clump; Nashville Warbler, 2 ♂ in gum; Bobolink, ♂ heard 8 miles off here on long mig. note; Oriole, ♂ at Thicket place, another heard by D. in Concord village; Chipping Swift, heard at evening. Gen. av. local birds; heard them in various parts of our woods. D. seems also more numerous than heretofore.

Walked through lane, Cedar Park & back after breakfast & again at 3 P.M. with Smith. Dexter who came down to dine with me. He left at 4 P.M. Mr. & Mrs. Emerson down down a little later, staying about 20 minutes. I did little work beyond meeting a letter & getting out a few plants.

Concord

Ther Tuesday, May 7, 1918
88°

Wea
Fair

Partly cloudy but mostly sunny with strong S.W. wind. Oppressively warm all day. Almost every tree & shrub, including oaks, bursting into leaf or blossom. Many apple trees in nearly full bloom by sunset. Berches already dense with young foliage. Shad bloom passing.

Bird arrivals. First Maryland Yellowthroats, 2 ♂♂; Saw Swallows, 1; Saw Flycatcher, 2. Saw for the first time seemed to be no new comers of any kind greatly to my surprise for I had felt sure that the strong S.W. wind, fine weather & inseasonable heat of yesterday & today would bring a rush of migrants of various kinds.

Because of the heat & of continued lack of strength & energy I did little but strolled about near house & read within doors. At eve. started to Carlisle to see Dr. Brown.

Height of apple blossoms. Concord

Ther Wednesday, May 8, 1918 Wea
Fair

Cloudy sultry morning following a very warm night. Light thunder shower at 9 a.m. Remainder of day brilliantly clear with strong, cool N.W. wind.

Apple orchards for most part in fullest bloom - superabundant this year. Very kind of vegetation moving on with unusual precipitation. Tulips already past their prime. Plenty of dandelion blossoms now.

Bird arrivals. First Cat birds, ♂ & ♀ in Parsythis bushes, front of house, at 7 a.m.; Chestnut-sided Warbler, ♂ & ♀ near house.

A handsome Oriole fluting in orchard. No evidence of any heavy flight of Warblers as yet. But soon are coming mightily.

Remained wellrest & doing well obliged me to keep indoors through most of a.m. Felt better after dinner & walked a little with Jeph clearing up about bird day. Dr. Stevens called at 4.45 staying a half hour or so.

Concord

10 Ther Thursday, May 9, 1918 Wea
Fair

Clear with moderate westerly winds. Very cool - indeed almost frosty - in early morning, warming up as day advanced. Breeze calm & mild.

Apple trees still in fullest bloom. Many oaks covered with leaves much larger "than a mouse's ear". We started to planting corn according to this token - but are not yet.

Bird arrivals. First Yellow Warbler & Warbling Vireo, both single males in song at Wheeler Farm. Nothing new, save an ♂ Cooper's Hawk, at our place.

Feeling much stronger & more energetic than hitherto I passed a comparatively busy day, mostly out of doors.

In forenoon I was with Jeph working about the out houses etc.; in afternoon Gilbert mentioned me to Concord where I did some errands in village, called at Ben Brown's grain store, at Wheeler farm for strawberry plants, at Sleepy Hollow to inspect argeen about Melon Memorial. Home by 4. Long walk about farm.

Concord

Ther Friday, May 10, 1918 Wea
Fair

Sky obscured by dense haze or thin clouds thro. which sun shown dimly. S. W. gale of extreme violence blowing all day. It stripped multitudes of tender young leaves from maples, cheres & other trees strewing them thickly on ~~roadways~~ & pools of water. Very warm.

No fresh arrivals noted. Birds generally sang but little & were not otherwise much in evidence because of gale.

A pair of Carolina Doves flew close past house towards N. W. at 6 P. M.

Spent most of forenoon with Jeph. We put up posts of grape vines, repaired bird houses etc. In P. M. I did a little gardening & walked thro Barry Pasture just before sunset.

Concord First mosquitos

Ther Saturday, May 11, 1918 Wea
Fine

Clear & cool with light westerly wind. Vegetation hatched. Apple trees still in fullest bloom with fine petals falling. Two Mosquitos attacking me in run at eve. About a week ago I saw a brood of Gypsy larvae spinning down from a branch in front of house. Since then I have failed to notice any others altho looking for them everywhere. Tenet Caterpillars exceedingly scarce. I have found only three nests thus far. No Brown Tails whatever.

Bird arrivals. Immense Warbler ♂ in field song 5-6 P. M. in oaks at rear of house. King bird flying high N. appar. mig. at 4 P. M.

2 Bobolinks ♂♂ flying N. at 6.30. rather high showing down bursts of song.

Motoried to Concord just after breakfast. Got hunter's beams & engaged at Assessor's office about tax returns. Was told home expected this year. Back by 10 A. M. Worked in garden until dinner time & again the rest of P. M. setting out a lot of plants & my strength returning fast now.

Oven bird flight song on ground Concord

Ther Sunday, May 12, 1918 Wea
Fine

Clear & rather warm with strong
S. W. wind. Sky overcast at sunset.
Apple blossoms shedding petals freely.
Some oaks in full blossom.
Forest undergrowth covered with
leaves 1/2 or more grown. Looked
everywhere for Gyp larvae but found only one.

Bird arrivals. First Blackburnian Warbler *
(near Pulpit Rock), Solitary Vireo* (do),
Rose breasted Grosbeak * (the Run), Crested
Flycatcher * (Birch Field). Marked increase.
Black thro Green Warbler (kd 4 or 5).
One Tennessee again near house.

In Birch Field heard & saw one Oven bird
give flight song several times at short
intervals while rambling about on ground
in thicket within few yards of me. Song
brighter & more broken than that given on
wing but otherwise precisely the same.

Walked to Birch F. & Parkside farms after
breakfast, returning via Benson road.
Country all very beautiful now. Many
birds singing freely.
Out again about farm 5.30 - 6.30 P.M.
Wrote several letters during day.

Concord

Ther Monday, May 13, 1918 Wea
5-10 Bats in black Fine

Partly cloudy up to 10 a.m. After that clear
& very warm with high S. W. winds.
Prolonged fine weather & almost incessant
strong wind have combined to dry up
surface moisture so that a spring drought
is already upon us with its attendant
forest fires of which there were three back
one last week, in Concord & Acton.

Apple blossoms fading & shedding fast.
Sibbals, purple & white, in nearly full bloom.

Bird arrivals. Golden wing Warbler ♂*
unseen; heard many times, at first in
Berry Pasture, afterwards in Run, at 6 P.M.

North bound migrants. A Tennessee Warbler*
an House W. ♀, a Peabody bird*.

Returned to Concord after breakfast &
spent an hour at Wheeler farm where I
ordered 200 plants from Strawberry plants
for Dan & with them sent 200 of our
Chesapeake. Home by 11.
Strolled about farm & planted a few
things in P.M.

Concord

Ther Tuesday, May 14, 1918 Wea
Raining

Rain began falling last night & continued
thru. most of to-day, soaking deep into ground.
Rather cool. Little or no wind.

Apple blossoms still whitening many
trees but wholly shed by others.

Gypsy larvae just hatched & rather numerous
in a few places. Mosquitoes troublesome
in room.

Bird arrivals. First Prairie Warbler ♂ & ♀.
(unseen but heard many times in lane 3 P.M.),
Scarlet Tanager ♂ & ♀ (in lane), Indigo bird
♂ & ♀ (keeping close about house all day but
sing heard only once at 8 A.M.),
Hummingbird ♂ at tulips front of house.
A Golden wing Warbler heard again
to-day, this time in blossing orchard near.
North bound migrants. Tennessee Warbler ♂ in
oaks near lane, Peewee bird ♂ singing
near house all day.

Spent most of forenoon in barn where
Japh was laying new flooring. Set
out a box of strawberry plants in P.M.
Walked to Cox Pasture & Pulpit Rock
just before sunset.

Concord

Ther Wednesday, May 15, 1918 Wea
Fine

Brilliantly clear with warm sun &
cool northerly wind.

Bushes, maples, barberry, alder, hazel &
most other bushes, dense with well grown
leaves. Apple trees in full leaf but many
still white with blossoms.
Choke cherry in bloom.

Bird arrivals. Wilson's Thrush ♂ & ♀,
in full song for 10 min. at evening, in
the Room.

A Golden winged and a Tennessee Warbler
singing near house at intervals.

A White-throat Sparrow sang then
almost incessantly all day long. I
heard another at evening along road to
Barrens. These two, ^{the Tennessee} & an House Wren
then only presumably north-bound migrants.
Thus far we have had few such.

No Chippingwills near house but one
near front of lane.

Spent most of forenoon working
in strawberry & flower beds. Also
much of afternoon. Walked to Pulpit
Rock & beyond at evening.
Gilbert gave all day to Cambridge-

Concord

Ther Thursday, May 16, 1918 Wea
Time

Brilliantly clear with fresh northerly wind. Very cool at morn. & eve. - even after sunset when the wind changed to S.W.

Apple blossoms still persisting on many trees. Dandelions, columbines, choke cherry & lilacs in fullest bloom.

Found a large tree caterpillar's nest, the third seen this year. It was in an apple tree. Larvae healthy looking & nearly full grown.

No new bird arrivals noted.

A Tennessee Warbler & a White-thr. Sparrow singing near home all day. The latter bird has been here ten days or more & acts as if settled for the season. No other northern-breeding species noted.

A remarkably large & very truculent Garter Snake in our front yard of house yesterday & in lilacs to-day. It explored pond thoroughly visiting every part of it, swimming very slowly & fighting goldfish badly.

Spent forenoon with George, weeding & surrounding flower beds front of house. At 1:30 p.m. with Zeph & P. L. Strolled about Back Pasture after sunset.

Concord - Boston - Cambridge - Concord.

Ther Friday, May 17, 1918 Wea
Time

Clear & warm with light southerly wind.

Birds in Cambridge Garden. Robin 2 ♀ on lawn (2 & later); Swainson's Thrush, 1 calling in lilacs; Chippy, 1 ♀ in lilacs; Oriole 2 ♂, a fine voiced bird (Carl pulled up a dead ♂ much along elms to-day or yesterday); Blue Jay, 1 on nest in Hawthorn; Grackle, 1 on lawn.

Took 8.06 train from Concord. Sat with Gen. Hayes all the way to Boston. At our office 9.10 - 11 A.M. Saw Arthur, Gallen, Darling, Buttrick & others.

Dictated letter to Judge Abbott urging him to get Carl supply for school & hall. Thence to Harvard Sq. where Mark cut my hair. Home by noon. E. R. S. & the nurse Miss Greenough at dinner. After tea sat with C. in Pease Room for 25 minutes. She was in her chair & seemed much better in both health & spirit.

Percy's garden as neat as possible. Gilberts material now back to Concord via Waverley, but. & Bedford, 3.15 - 4.20 P.M.

Spraying begun

Concord

Ther Saturday, May 18, 1918

First Tree Toad & in water

Wea. Perfect.

Clear & warm. Forenoon dead calm. Fresh southerly breeze in afternoon & evening. 2 Garden Toads & a Tree Toad (the first) singing in pond front of house thru evening. Garden Toads then coming for small post. Hylas still in full cry in ponds across road.

Most apple trees have shed nearly all their blossoms. Many forest trees on hill leaf. Almost all our Honey Suckles & a good many hickories seem to have been winter killed. The same fate has befallen practically all red cedars, large & small, on exposed hill pastures both here & in Belmont & Waltham. Hardly any fruit hedges escaped similar destruction even in sheltered parts of Cambridge.

First Red-eyed Vireo ♂ seen here. Parula bird & Brown Thrasher singing close about it.

Spent entire forenoon spraying apple & other trees on farm. Berberis & Yucca working our hand pump for me. Gardening in P.M. Walked to Rutledge place at evening.

Concord

Ther Sunday, May 19, 1918

Wea. Perfect

Clear & warm with fresh, sweet southerly wind. A few irises bloomed yesterday, very many to-day.

First Wood Pewee in oak grove rear of barn. Yellow thro. Vireo & big elm, Hildreth Corner. A Parula Warbler, only north bound migrants. Delightful bird music all about house 6-9 a.m. Oriole, Grackles, Purple Finch, Tanager, Towhee, Song Sparrow, the Wood Pewee, a Red capped Vireo, Indigo Bird, Crested Flycatcher, Phoebe, Chestnut sided Warbler, Cow Bird etc. Maryland Yellow thro. in lilacs behind house. Beery there at evening.

To Charles Drexler's at 9.30. Big colony of Swallows in his barn. Walking with him in his pine woods heard very many birds of various common kinds.

To Concord at 3 P.M. Spent an hour at the Greenhouses seeing Mr. & Mrs. & Ellen. Crested Flycatcher calling, ♂ humming at blue lilacs. Next to the Whites seeing George & Margaret. Yellow thro. & Warbling Vireos singing in big elm. Home by 5. Watering flower beds after that.

Concord.

Ther

Monday, May 20, 1918

Wea
Fine

Cloudless & warm with strong S.W. wind.
Apple blossoms all gone, fruit
closing calyxes. Dandelions passing.
Iris is coming into bloom. Not
many mosquitoes. Hylas, Garden Frogs
& Tree Toads uniting their voices in
pleasing nocturnal concerts close
about our house.

First Black-bill Cuckoo, coming in
orchard. Peabody bird singing near
cow pasture where one spent last
summer. No north-bound migrants

Duke came with his hand-spraying
outfit this morning & worked among
the apple trees all day. His cousin
managed the spray nozzle & did it
remarkably well. George helped at the
pump. The wind bothered a good deal.

I was with them most of
forenoon. Worked among my flowers
in P.M. Watered them at evening.
Did not get into weeds all day.

Concord

Ther

Tuesday, May 21, 1918

Wea
Dull

Cloudy, calm & warm with fine rain
falling gently every now & then.

First Black-throated & Bay Breasted Warblers, one
male of each species singing, the former in
oaks at rear of lawn, the latter in
those in front of lawn. There was also
an Olive Warbler.

The Peabody bird heard at intervals
all day sometimes near cow pasture.

The ♂ Oriole continues to frequent our
dooryard elms from sunrise to sunset.

He is a superb singer of the good old-
fashioned type of over bird as we have
not had here for many years before. I

hear others with similarly rich, clear
varied notes in various parts of Concord.

They seem to have replaced the monotonous
unmusical voiced ones every where.

A Towhee sings all day near house.

Worked in flower beds, weeding &
cultivating them, from breakfast time
to 4 P.M. Took a short walk at eve.

My strength has at last become normal
or almost so but my eyes still trouble me.

Concord.

Ther Wednesday, May 22, 1918 Wea
Dull

Cloudy with strong chill N. E. wind.
Raining early morn. Heavy rain last night

First Redstart, ♂ & ♀, in trees over road near
big elm; first Cedar birds, several heard
calling in apple orchard - now wholly out
of bloom.

A Black-poll ♂ & ♀ only north-bound migrant.
Peewee bird singing thru day near
cross pasture, Horned Thrush at live
near Pulpit Rock, a Towhee & a Towhee
near house. Quail in dooryard thus
serenading us ceaselessly from early
morn to late afternoon.

Gypsy larvae numerous in spots. Big
oaks behind barn badly infested by them.

Spent most of day with George working
in flower beds in front of house.

Left sheathing apple barn in old barn.
Beech bark transplanting lettuce etc.

In late P.M. Mr. & Mrs. A.C. Robbins
came in their Stanley car bringing Walter
Payson. They stayed about half an hour.
I enjoyed seeing them exceedingly.

Concord.

Ther Thursday, May 23, 1918 Wea
Mixed.

Mornoon largely cloudy with occasional
light rain. Afternoon sunny, warm &
humid with fresh S. W. wind & thunder
muttering in distance every now & then.
Cooler at evening with light W. wind.

No new bird arrivals. House & Black-poll
Warbler (a ♂ & ♀ of each) in oaks by barn,
the only north-bound migrants.

Usual summer resident birds singing
well through day, mostly close about
house. They included Robins, a Yellow
Warbler, Redstart, Towhee, Grosbeak,
Indigo bird, Towhee, Oriole, Maryland
Yellowthroat, Black-bell Cuckoo.
Chestnut-sided Warbler, Chipping sp.
A Wood Pewee in dooryard elm
uttered only its chucking call note.

Spent most of day close to house
working with George working flower
beds & setting out plants.

Walked thru Busy Pasture at sundown.
Almost no birds singing there.

Duron spraying a 2nd day. Concord

Ther . Friday, May 24, 1918 Wea
Just gen. Drought Dragon & his 7 in

Clear & rather cool with moderate
W. to S. W. wind.

Loises & dandelions going out of bloom,
vines coming into it fast. A
few buttercups. Locusts & sheppars in
full bloom. Mountain Laurel buds
showing pink. All oaks in full
leaf except white oaks & those nearly so.
Vegetation generally much more advanced
than it often is at this date.

No bird arrivals. North. breed migrants
Juncos, Warblers, House W. Black-jack
& Black-burnian - all in oak near barn.
Probably bird singing at eve. in brush
at N.E. corner Cow pasture exactly where
one summoned last year & doubtless the
self same bird - a rather dull singer.

Duron came this morning for second
time this spring. I followed him about
all day. We sprayed in orchard & Berry Tree
in forenoon, in Birch Field & Tall oaks
on E. of barn in P.M. Sympy larvae
swarming in Pulpit Rock pine woods on
underbrush mostly. Little or no bad
infestation elsewhere.

Concord.

11 Ther Saturday, May 25, 1918 Wea
R. H. Dana Fair

Partly cloudy, mostly sunny. Warm with
fresh S. W. wind. Raining 9-10 P.M.

First Magnolia Warbler ♂ in event to
" Spotted Sandpiper 2 seen near B.H.

Dick Dana arrived at 10 a.m. for his
usual May visit, coming up alone in
his Ford car. After chatting for an
hour in doors we strolled about the
farm, through Birch Field & back by
way of the road to Benson's.

In the afternoon we went down the
main road as far as Mr. Horv's, then
down his lane to Holden's Hill where
we found Jeph chaffing in. He took
us to his Partridge nest. Bird sitting close
on 10 eggs. They must have been near
hatching for she stirred & fluttered about
as if with jump, then flushed from there.
Then we went to Ball's Hill
opened the old catnip & sat by the
fire place for half an hour smoking
& talking. Everything getting steadily warmer.
Cannon built via Pine Hill & Benson's
Buckins in full bloom at Pine Park
headed many birds in various places.
Spent evening in garden.

Boncord.

Ther

Sunday, May 26, 1918

Wea
Fair

Partly cloudy & very cool with
strong keen north-east wind.

Shortly after breakfast Gordon Hutchins
called to solicit Red Cross subscription
I gave him £25.

Starting at 10.30 a.m., with Gillies in
Ford car, Dick Darea & I returned first
to Sleepy Hollow Cemetery where we spent
half hour pruning dead wood from
cavels about Memorial & where Miss
Eaton chatted with us for a few minutes.
Many birds singing - including a Black-poll,
Bay-branch, Thrasher, Purple Finch, Wood Pewee
Next to the Hayes pasture which we entered
together for first time since May 1864, when,
with Dan. F., we found Grass Finch nest there
Next to Middlebury School where we saw
collections in Thoreau Mus. & heads & Crested
Flycatcher, Bobolinks etc (Horse not there)
Next to the Greenhouses where we spent
half hour with Mr. & Mrs. E. Howe
£2.45. Dick left me at 2.30 to
return to Cambridge. After that I
called at the Howes seeing Mr. H. &
his daughter

Boncord

Ther

Monday, May 27, 1918

Wea
Mixed

Early morn dark cloudy with heavy
showers about 8. Sun shining dimly by
10.30 and brightly most of afternoon.
Midday hours oppressively warm & humid;
cool at noon & eve.

Mosquitoes back. Iris blooms at base.
Hylas, Garden Toads & Tree Toads were
still in full cry up to the night of
May 20. Since then I have not
heard one. They do not often become silent
so generally & abruptly. Thousands of
Garden Toad tadpoles have just hatched
in our little artificial pond. A Wood Frog
haunts it. I hear no frog voices anywhere.

First Yellow-bellied Cuckoo, coming in Cedar
Park with a Black-bellied as a companion.
There.

Magnolia Warbler ♂ in apple tree in
our back door - the only north-bound migrant

Spent most of day close about house
working with George in flower garden
& watching Zeph the cat's born.

Concord.

Ther Tuesday, May 28, 1918 Wea
Varied

Alternations of cloud & sunshine
with a brisk shower at 8.30 a.m.
& lighter ones in afternoon. Very
warm & sultry when sun shown.

First Night hawk seen. Bird
heard peeping, apparently on wing,
at sunset. This the only
north-bound migrant noted.

Few local birds heard than usual
although they sang freely enough.
Saw an im & Redstart chasing a ♀
near bird bath & later in oaks
behind barn where the pair are
evidently settled & preparing to breed.

Spent most of day close about house
working with Gump in flower beds
or sitting in lawn watching Zeph's
showering.

In late P.M. Burrows, nested
me up to Duron's to get seven
Bantam eggs. Gilbert tried first to go
but could not start his car.

Concord - Boston - Cambridge.

Ther Wednesday, May 29, 1918 Wea
North-bound migrants in Garden. Dull

Cloudy with chill easterly wind. A few
rain drops falling now & then.

Birds in Cambridge Garden: At least
8 adult Robins on lawn & in jungle, 3 or 4 of
them singing at once for half an hour or so
at evening; a Swainson's Thrush, ♂, singing
fitfully & faintly in lilacs; a Black-hell W.
♂ & a Red-eyed Vireo ♂, both singing
rather freely; 2 Redstarts, both in ♀ pl. but one
a male bird, singing a little; 2 Yellow-bellied
Flycatchers, one calling loudly & incessantly for
half hour, other answering it occasionally, both
in lilacs at rear of house, one would seem they
uttered the pee-e call only; Blue Jay on nest
in Hawthorn; ♀ Brown Grackle on lawn; 2
Silent Hunt Sparrows.

To Boston by 8.05 Train fr. Concord,
sitting with Geo. Keyes. Saw Raymond Emerson
at Station. Spent most of forenoon in our
office. Called on H. K. Brown in his. Drunk
at Thompson's Gas House to Touraine to call
on Dr. & Mrs. Gehring. Sat with them then under
Hill house with doctor after it. Out to
Camden Ave. by 3.30. Half hour talk with C.
Nephew in Garden "bird watching". Saw
Harry Spelman passing & walked home with him
& R.S. Read manuscript to me after supper.

Cambridge

Ther

Thursday, May 30, 1918

Wea

Dull

Cloudy with chill easterly wind
Heavy rain overnight & light drizzle
this morning.

Garden birds 12 + ad. Robins 4 or 5
singing at once; also young of two sorts,
Bob-Tailed & fully grown; Swainson's Thrush
♂ singing freely and indeed almost ceaselessly
all day long; 2 Redstarts in & out but
one a ♂ singing well; Baltimore Oriole
Red-eyed Vireo, Black-throated Warbler
Chiffy singing fitfully. Silent Yellow
bellied Flycatcher, Blue Jays (one on nest)
Grackle & Swift on wing. 2 Crows in elm
2 or 3 House Sparrows.

Spent most of day in Museum working
letters. Called on the Spelmans in their
garden 5 P.M. Swainson's Thrush singing
& Silent Yellow. Yellow bellied Flycatcher there.
Harry S. Wallhead back with me to hear
a grand chorus of Robin voices, almost
dying at times. Nothing like a few
years ago. Robins superabundant elsewhere
in Cambridge this land.
Walter Dean spent evening with
me in den.

Cambridge Concord

Ther

Friday, May 31, 1918

Wea

Dull

Forenoon rainy; afternoon clearing
with sun shining duly & fresh westerly
wind.

Garden birds: Cornelia Robins, many
singing. Swainson's Thrush, Red breasted
Grackle, Red start, Black. pool warbler
& Red-eyed Vireo in full song. Only
2 or 3 House Sparrows. This unusual
scarcity accounts, I believe, for the
exceptional abundance of robin birds
but even that will not satisfactorily explain
the unprecedented flood of Robins.

Leaving home at 10 a.m. Gilbert & I
motored back to Concord stopping at
Village Center for food supplies. Reached
Farm by noon. In P.M. strolled
through Pulpit Rock woods & Birch Field
looking for Gypsy larvae. Hardly any to
be found except on crest of ridge in
Pulpit Rock woods where the large
white oaks are somewhat infested.
Elsewhere the foliage looks better than
for many a year especially where
close about farm.
Out again after supper transplanting things.

Just Strawberries Concord

Ther 89° Saturday, June 1, 1918 Wea Fair.
 Hour 11:00 am arrived

Partly cloudy, mostly sunny. Oppressively warm & humid. Light thunder shower at sunset. Tree Toads & Green Frogs singing freely after dark. Mosquitoes savage close about house. Iris shows a little frost its best.

On May 29 we picked a pint of ripe ones - leaving Strawberries & on 31st nearly a quart.

After giving up all hope of a House Wren this year I was delighted to hear one singing at daybreak close to my window. He sang all day in a near by yard.

The only north-bound migrants were 2 Magnolia Warblers, one singing, the other calling, in apple tree by bird bath. In this bath came birds of various kinds at all hours. Sometimes it held 3 or 4 at once. I saw in it Robins, Chipping, Indigo birds ♂ & ♀, Chestnut sided W., Goldfinch, 2 Song Sparrows. House Finch, Red wing, Cowbird, & House Wren in Bush Tailed. Also a Night hawk perching near house.

Spent entire day out of doors working in flower gardens. Left carpentering. Gosh. Working in Boston.

Concord

Ther 82° Sunday, June 2, 1918 Wea Fine

Brilliantly clear with light N.W. wind. Very warm but without the oppressive humidity of yesterday.

Iris show passing. Hosts of Dragon Flies & a few Swallows. Tails & Butterflies.

No new birds. North-bound migration apparently about over but a Magnolia Warbler still lingering & singing freely today in Cedar Park & in an apple tree close to house (by bird bath).

Least Flycatcher singing in oak grove behind barn, Yellow Warbler & Oriole in dooryard close. 2 Indigo birds within ear. One of house & another at Ritchie pl. Red. Shouldered Hawk soaring & soaring high in air. Many Warblers (Black thr. Green, Mourning, Down birds) singing in Run & Pulpit Rock woods. At least 4 Maryland Yellow throats scattered about.

Walked to Ritchie place, down Run & then Pulpit R. woods soon after breakfast. Luxuriant foliage & plenty of birds in full song. Wrote letters after this walk. Gardening in late P.M.

Concord

Ther Monday, June 3, 1918 Wea
Dead Rabbits in well Fine

Cloudless & warm with fresh, dry
westerly wind. Our fields are now
suffering for lack of soaking rain of
which little has fallen during past month.
Sticky locust in bloom. Iris is passing.
Plenty of ripe strawberries, both
"can-bearing" and "wildwood".

First Whippoorwill heard at 9 last night

"Pier Warbler to day (Pulpit R. finis)
Both birds must have arrived long ago.

Magnolia Warbler still singing near house.
Pair of Barn Swallows entering our
old barn many times pecking together
one or rapier & twittering joyously.

Thrushes nest in cedar full of fledged young.

Spent entire forenoon with Zeph, George
& Dennis Corcoran, Tom, spraying oaks
in Pulpit Rock woods. Not many Gyps
on these trees. We found almost none
elsewhere. Opening the old well in Birch
field we found floating in it two dead
Cottontail Rabbits. Water about 5 ft. below
surface of ground. One in another well last year
sprayed for an hour in P.M. & later
watered flower beds & saved June beet.

Concord (Farm & Ball's Hill)
-Herit Bude 7:40 p.

Ther Tuesday, June 4, 1918 Wea
Cabin entered & first thing station Fine

We entered everything of cabin to farm.
No Gyps larvae. G.B. found any other near B. Hill
Clear & cool with fresh northerly wind.

Leaving farm at 8.30 Zeph & I walked to
Ball's Hill where Gilbert joined us with his car.

We left everything safe & sound there on May 25
but found this morning that some one had
entered two of the cabins, smashing the padlock
on Gilbert's cork room door & forcing open a

heavy oak shuttered window of chestnut (or
Torbusk) cabin. I saw former my old Smith

& Wilson's room had been taken, from latter
a feather bed pillow. We miss nothing else.

The marauder's footprints (those of a big man) &
& the marks of his canoe prow showed where
he had landed in the boat pit. He was

considerate enough to commit no wanton damage
& to leave door & window shutter closed. He

had battered locks on old log cabin & my cabin
in vain attempts to break them open.

We spent forenoon in clearing out all the
cabins of everything worth removing. Zeph drove
down in P.M. & brought it all to farm.
I spent most of P.M. working in flower beds.

Hermit Thrush singing in Birch field, Swainson's
Thrush & various names Ball's Hill. A few
Redwings, a Green Heron, a Great Blue Heron, a Redup,
Song Sp. Heavy load of G. Thrush, Black-bellied Gull
& Green Heron at or near Ball's Hill.

Wellhead up bank to Goodwin's house on
Down coming, starting flushed from
hedge on left. Robins singing everywhere
of and near. Heavy other birds.

Could not find our Pulpit Rock woods. Carver all about Ball's Hill. Looked closely for Gyps larvae.

Color of Ball's Hill. One Bude 7:40 p.

Concord

Ther Wednesday, June 5, 1918 Wea
Fair.

Partly sunny, partly cloudy. Light,
cool easterly wind.

Picked 3 quarts ripe Wildwood strawberries
(much larger than last year & of
delicious flavor. - various & rather acid.

Yellow-bellied Flycatcher calling from a very
many times at 4 P.M. and again after
sunset. Heard him distinctly from house.
He seemed to be in the Ken. near foot of lane.
This my first spring heard of Concord.

Two birds in Camb. Garden May 29, one on 30th

Local breeding birds of various kinds
singing delightfully all day long not
far from our farm house. Their music
was never more grateful to my ears
which, fortunately, are quite as keen
to hear & discriminate it as for many
years past. There are no House Sparrows
near about now to mar it.

Spent most of day looking over &
putting away the various things
brought from Ball's Hill yesterday. Also
did a little gardening. Did not get
in woods at all.

Concord

Ther Thursday, June 6, 1918 Wea
Dull

Cloudy & misty with light easterly wind.
Drenching rain 3 - 5 P.M., the first for
several weeks & much needed.

No north-bound migrants noted. Nearly
if not quite all must have passed by now.
Local birds singing freely all day.

Heard the Hermit Thrush, a Very & the
Peewee bird from house at noon. A

Rose breasted Grosbeak singing divinely
there. One Chon. breasted Oriole continues
to sing all day in the dooryard shrub
but he seems to have neither mate
nor nest. The same is true of our

House Wren. At least 3 male Redstarts
can be heard at all hours near house.

We have two or three pairs of Cat. birds
on Yellow Warbler, a Maryland Yellow throat
a Song Sparrow, a Towhee & a Towhee
close at hand. Also two or three Indigo birds
in cedar tree. Humming birds visit
our flowers but daily.

Spent afternoon with Left & George
hauling wood & rearranging things. In
late P.M. was with a group of flowers.
At one house to find a few picked
the first netted from house. These collected.

Concord - Cambridge

Ther

Friday, June 7, 1918
First ripe cherries

Wea
Mixed

Heavy rainfall continued this last night & up to noon to-day, accompanied by violent S. W. wind. Afternoon sunny with cooler, more westerly wind.

Birds in Cambridge Garden, late P. M. 2 ad ♂ Robins * in full song, several full grown young; Red-eyed vireos *; pair of Blue Jays feeding unfledged but well-grown young, in nest in Hawthorn; several Starlings & House Sparrows in cherry tree eating its fruit already nearly ripe; Swift heard at ear.

Gilbert & I spent forenoon at Farm house putting things away for the summer etc. After dinner we packed 7 boxes of strawberries & I got some Mountain Laurel in full bloom. Motored to Cambridge via Bedford, Mass. & Arlington 2.30 - 3.40 P. M. Found C. greatly improved in health & spirits. Her nurse, Miss Greenough, leaves to-morrow. Called on the Spelmans before supper & on the Fairchilds after it.

Plenty of cherries ripe or ripening in the new shed house & birds feasting on them.

Cambridge - Boston.

Ther

Saturday, June 8, 1918

Wea
Fine

Brilliantly clear & delightfully cool with strong N. W. wind.

Garden birds: Robins, Jays, Starlings, House Sparrows, Swift, Grackle, 2 Crows.

Motored to Mrs. Comp. Took 9.30 A. M. Saw Sam. H. there. Thence to Boston via subway. Got glasses at Pinkham & Smith. Reached our office at 11. Then until 3 P. M. Saw Estabrook & Buttrick & they read letter from Lydia A. Brewster & advised me to answer it briefly & cautiously, without discussion of its evidence - which I did by dictation. To Gallagher. Lunched at Thompson's.

H. K. Brown came to our office at my request. 2.30 P. M. He talked over matters relating to various Kettle trusts etc. He promises to have his letter settled as soon as possible. He is guardian & administrator for the ~~trusts~~ ^{trusts} must first be appointed in England.

Home by 3.30. Ad. ♂ Oriole feeding young in nest high in elm over street, near Mr. Harris' house, Merce Circle. Saw him go to it twice. Spent eve. in hall C. playing Schiama, E. reading

Cambridge.

Ther

Sunday, June 9, 1918

Wea
Fine

Mostly sunny with some cloudiness in P.M.
Warmer. Light westerly wind.

Garden birds, Robins, a Red-eye &
an Oriole singing; Robins, Starlings (12+),
House Sparrows (a few) & one Grackle
eating cherries in tree near tool house;
Goldfinch & Swift on wing. Jays feeding
young in nest. Yesterday I saw a Robin
drive one of the jays away from its
(the Robin's) nest in cedar. This morning
found fresh fragments of shell of fresh eggs
of Robin in two places on Chestnut walk
50 yards from cedar! So the jays are
at their old pilfering tricks, I fear.

Two adult Screech Owls, both in red pl.,
perched within 6" of one another in top of leafy
black birch in Birch Grove, were shown nearby
Peregrine at 9.30 A.M. A clamorous Robin had
betrayed their presence to him. Robins
continued to scold them all day long. At

noon & later we could see only one Owl.
Walter Dessen, Miss Brown & two Radio
recruits came to see us at 12.40.
Miss Allyn dined with us. C. at dinner
after going on train to Chesham.
George Simmons wife & boy came with
Sarah Angus in P.M. Gilbert came also,
to help pack my trunk for Bethel.

Cambridge - Bethel. Perfect foliage all the way

12 Ther

Monday, June 10, 1918

Wea
Fine

Bleak & moderately warm with
light westerly wind.

Spent early forenoon in house &
Museum. Thence to Boston to take
12.50 train, Eastern Division, for
Portland. Reached there about 4.20
Crossed city by trolley car & took
5.10 train on Grand Trunk. After
the customary manner of most
trains on the railroad it so bordered
one the way that it was almost as
home late when we reached Bethel
at past 8 o'clock. Dr. Gehring
& George Farnsworth were at station
to meet me. We walked up the
hill through village to Miss True's
house where I am most comfortably
quartered in H. W. Chamber one floor.
Mr. Bingham, Miss True &
Miss Paine were on my way & gave
me a cordial welcome. At the
Doctor's house I saw Mrs. Gehring &
met George's wife & daughter for first
time.

Perfect foliage all way Boston to Bethel. No signs of insect devastation (as in many years past) anywhere, even in oak woods, apple orchards. No birds of prey seen.

Bethel

Ther Tuesday, June 11, 1918 Wea
Fine

Cloudless, almost windless, rather warm.

Walked down to Inn with Doctor after breakfast & spent hour or more there. An Oriole, a Warbling Vireo, 2 Red-eyes, 2 House Wrens, several Purple Finches, Least Flycatcher & Chipping, one Yellow Warbler, a Redstart & a Grackles heard singing in trees or yards along village street.

With Mr. Bates, the Doctor & I went to the Shack in mid P.M. & spent half an hour there. Few birds seen or heard; only a Hermit, a Redstart & a Magnolia Warbler singing. A Star-nosed Mole & 3 tiny Shrews with long, down-curved proboscis - like snouts lay scattered about dead on cement floor of Shack just only one (a Shrew) showed any mark of injury. What killed them we could not guess. Visited mill pond near bridge full & very attractive. Spent evening at Dr. G's he showing lantern slides in lounge. Few birds near house - one Vireo, a Redstart, Red-eye, Purple Finch, Junco, House Wren, several Robins, Chipping etc.

Bethel

Ther Wednesday, June 12, 1918 Wea
Rainy

Dark cloudy & cool with frequent & often heavy showers of fine rain. Foliage of both deciduous & evergreen trees unusually rich & luxuriant. No signs of insect depredations. Orange Hawthorn in flower. Hoped strawberries ripe.

To Inn & music room in forenoon. Walked back with Doctor. He & I spent much of afternoon in his little new greenhouse planning its further development. Had evening gathering in lounge, breaking up at 10 P.M. The Doctor has given up most of his practice & has only two or three patients here now, all at Inn. He & Mrs. G. alone in "Great House". Father in Brown Cottage. Greg & family in Gray Cottage. Various changes in village. The Hastings out of business. Caylor Rome still living but feeble. The "Jewies" the same. All young men gone to war. Village street prettier than ever. Only a few House Sparrows there.

Bethel

Ther Thursday, June 13, 1918 Wea
50° min. Fair

Partly cloudy, partly sunny, very cool with high N. W. wind. An autumnal - like day more like one of early November than of June.

Spent most of forenoon in Bethel village looking up old acquaintances there. Called at Ceylon Ross's store & bought 2 pr. wool socks @ 1.75 (they once cost only 50¢). Waited at post office until Chas. Davis came for the mail with his little dog, ~~now a Ford car~~ which he runs daily to Upton in two hours or less. He tells me that Luman Sargent is still living - that he fishes a little for pleasure. Lakeside Hotel is closed & for sale; the Lake House has been given up of late by Harry Crutcher. Dutton will occupy his camp this summer.

In afternoon walked through fields & woods to Fuller's camp with Dr. G., Mr. Sharp (Dexter's cousin), Mr. Bates & Mr. Bingham. Fuller absent but we found his key & sat inside for half an hour. Evening spent in parlor at Dr. G.'s talking & telling stories. Very pleasant.

Bethel

Ther Friday, June 14, 1918 Wea

Partly sunny, mostly cloudy with strong N. W. wind & occasional brief showers. Very cool through last night & this much of day.

Forenoon spent mostly in down writing up diary & bird notes.

In afternoon the Doctor & I roamed about his grounds & neighboring woods, finally coming to the Shack where we built a fire & sat for an hour talking. Only birds singing within hearing there a Hermit, Redstart, Magnolia W., Ovenbird, Solitary & Red-eyed Vireos. All the dead moles & shrews gone except one little one. Another dead Star-nose in path 100 yds. from Shack. The Doctor tells me he traps moles not Star-nosed but quite as large, in his lawn which they damage. Two years ago he saw a Pileated Woodpecker enter a hole where its mate had been nesting. This

I saw to-day. It is about 18 ft. above ground in trunk of magnolia - first yellow bird & altogether ~~bluish~~ in size. The Doctor was standing beside tree or near one; when bird alighted at hole & looked in hole a few times & then went in & stay hole a rather long time. ~~old hole~~ & ~~filled~~ but larger. Another hole 2 1/2 ft. higher up in tree.

Saw fresh - looking fresh holes of 2 or 3 in soil along S. side of trail

Called at Dr. Hemmell's after supper seeing the family

Bethel to Cambridge

Ther Saturday, June 15, 1918 Wea
7:15 am

Clear & cool with fresh westerly wind.
A Chipping Sparrow roused me at
sun rise by noisy tapping & fluttering against
lower sash of my chamber window (facing N.).
He has been at it once or twice daily ever
since I came here but never for more than
a few minutes each time. His bill strokes
against the glass or sash sound much like
a sharp tapping on a door & are loud
enough to wake a sound sleeper. His fluttering
is neither violent nor prolonged. He does
not seem excited & often pauses to peep in
through glass or to look fixedly in other directions.
After dressing I walked up Paradise Road. Many
birds singing. Alder Flycatcher calling.

Breakfast at 7.30, left Bethel at 8.50
& reached Portland at 10.55. Got across
city just in time to catch 12.20 train
for Boston. Arrived there at 4 P.M.
& at our Cambridge house at 4.30.

Looked out of car windows most of way.
Fields white with daisies & yellow
with buttercups. Here & there saw large
patches of orange Hawthorned - very beautiful.
Many ferns at Scarsboro marshes.

Cambridge.

Ther Sunday, June 16, 1918 Wea
Disappearance of hibernating insects Time

Clear & rather cool with light west wind.
Although no trees within our grounds have been
sprayed this year there is not one showing
any signs of insect pests. The foliage of all
not injured by cold last winter is more
lustrous & greener than for many years past.
As noted during my recent trip to & from
Bethel these happy conditions seem universal
throughout eastern Mass. & N. H. and western Me.
Everywhere ^{there} the Brown Tail are practically
extinct, the Gypsy & Elm Leaf Beetles nearly so.

Garden birds, 2 Robins singing well, 8 or 10
ad. & juv. in cherry tree; Red-eyed Vireo ♂ & ♀
Warbling Vireo ♂ & ♀ heard twice in jungle, 9 ad. & juv.
Orion ♂ & ♀ (uncommonly fine singer); Blue Jay,
ad. screaming, (young gone for nest in
hazelnut tree Percy saw them having it on 14th)
Starlings, 15+ eating cherries greedily;
Grackles, 2 in cherry tree; House Sparrows
8+ ad.; Kingbird, 1 perched on tree top in
jungle, calling; Swifts 2 on wing at eve.

Spent most of day in Museum, writing
letters. Saw Harry Spelman in his garden.
Late P.M. Miss Allgren dined with us on
back piazza. C. at table three.

Cambridge

Ther Monday, June 17, 1918 Wea
Fine

Clear & cool with light westerly wind

Garden birds, 2 Robins singing, 8 or 10 ad. & young in cherry trees with a dozen or more Starlings & as many House Sparrows. Baltimore Oriole also eating cherries & singing freely betimes. This, no doubt, is the bird I saw feeding young in nest at Marsh Church over June 8. He has a rarely musical voice & unusually varied notes. We heard also in the garden to-day a Red-eye, 2 Grackles, a Kingbird & a Hooded Plover, the last heard only once. At evening 2 Swifts were carousing about overhead with joyous twittering. Later still I heard plainly & many times the sharp flight call of an unseen Night hawk, doubtless one of those breeding on Boston roofs.

Spent most of day in Museum writing letters. C. walked twice with me in garden & after supper we called on Mrs. Cobb. C. is wonderfully improved in health & spirits & still gaining steadily.

Cambridge - Concord

Ther Tuesday, June 18, 1918 Wea
Fine

Clear & cool with light westerly wind
Birds in Cambridge Garden: Redstart & mix singing in Junco 9-10 a.m.; Red-eye do. Flicker on lawn front of house probing turf with bill, apparently for ants & getting them in abundance, it would seem; Robins, Starlings & House Sparrows as usual; Goldfinch heard calling, Jay do.
Birds at October Farm, Concord.

2 ♂♂ House Wrens singing front of house
White-thr. Sparrows " near Cow Pasture.
Vary, Maryland Yl. Thrush, } " in Berry "
Chestnut back Warbler }
Orochi, Redstart (3), Chipping, Song Sparrows 2 or 3
Blackburnian Warb. ♂, Black & white Creeper,
Goldfinches ♂ & ♀ Indigo birds (2 ♂♂*), Crested Fly
Hummers ♂ & ♀, seen or heard close to house
mostly about bird bath in dairy yard.
Whippoorwill singing 10.30 P.M.

Gilbert & I motored to Concord in A.M., via Abington, Long., & Bedford. Spent most of P.M. weeding & watering flower beds. Walked down road after supper & called on Mr. Horner's son & family. Mosquitoes bad. First green peas. Strawberries at their best.

Concord.

Ther Wednesday, June 19, 1918 Wea
Fair

Partly cloudy, mostly sunny. Very cool with light N.E. wind.

Working in flower beds & small fruit plantations most of day, weeding, watering, pruning etc. Harry Richardson rode down on his bicycle to see me in afternoon. We spent an hour looking for Gypsy caterpillars in Pulpit Rock woods & Birch Field but found only two or three there. Many of their nests still contain unhatched eggs. Near Birch Glade, on the trunk of a small white oak we found upwards of fifty full grown larvae, some beginning to pupate, our "wilting". Richardson has just returned from 150 mile motor trip in Mass. & N.H. during which he saw no caterpillars eating foliage anywhere. To day, along roadside near New Haven, he saw some bushes along a road that were half stripped & swarming with Gyps.

Blackburnian H. & 2 D. virens singing in Pulpit R. woods. Doves flying over our kitchen place.

Concord - Cambridge.

Ther Thursday, June 20, 1918 Wea
38° 58° 48° Autumnal cold. Fine

Brilliantly clear with fresh N.E. which died away at nightfall. Coldest day & night of prematurely cold month. 38° at Concord at daybreak, 48° at Cambridge 9 P.M. 58° highest for day. Everything betokens a killing frost to night, at least inland. This, coming now, would mean utter & widespread ruin to crops - including ours at Concord.

Spent early forenoon at Farm & Ritchie place. Corn field at latter most flourishing. Everything else looking exceedingly well. Gilbert & Burbank packed 17 quarts of fine strawberries. Raspberries beginning to ripen. Birds singing like mad. Air ringing with their delightful music at Farm.

Motored to Concord & thence to Cambridge via Lincoln, Hollis Br. Reservoir & Peely Corner 10.15 - 11.30 A.M. Folios perfect whole way. Many fields white with daisies & yellow with buttercups.

In P.M. motored to Mr. Abram with C. Talking roses, wild flowers & ferns to put on father's, mother's & Henry Purdie graves. Wrote letters later. Drove back Orley Farm in Peace River after supper.

Cambridge - Wolfboro.

Ther Friday, June 21, 1918 Wea
Fair

Forenoon sunny; afternoon cloudy.
Cool with fresh southerly wind.

Arthur Oakesbrook & I, with Evans,
left Boston by 9. A. M. train for
Winn which we reached about 12.30.

Judge Ball & his daughter joined us at
Nashua, Judge Young at Concord.

We were met at Winn by Galloupe,
Mrs. Haley, Miss Pinner Mr. & Mrs.

J. K. Bond & daughter. They had come
over in a small but comfortable

seamless steamer. The trip back across
the lake was pleasant despite a

rather high wind & rough sea.
Rattlesnake Id. a sad spectacle for

its once attractive forests have been
cut within the past year & nothing

remains but torments & ruin. Saw an
ad. Bull Eagle perched on a blasted pine

tree. Meeting in Academy 3-5.30
Dinner continued & served by school girls

5.30 - 6.30. Graduating exercises in
town hall 8-10. All essays good &

very commendable. The very best
by Sargent's son. Singing delightful.

Parties met again 10-12.15 midnight,
at Mrs. Halsey's.

Wolfboro - Cambridge.

Ther Saturday, June 22, 1918 Wea
Stormy.

Incessant heavy rainfall began about
midnight, last night, & continued through
forenoon of to-day. Everything thoroughly
soaked by it. Surface water pools in
grass fields & streets half flooded. Very
cool despite S. W. wind.

Wolfboro to Boston via Rochester Portsmouth
& Eastern & N. H. Then. Little or no signs of
frost along this route. Yesterday it was
deplorably evident throughout most of
Merrimack River valley where our train passed.
countless fields of corn & potatoes, some
of tomatoes & many fern-grown woodlands
where it had cut down or blackened.
pretty much every tender plant.

Reached Boston about 1 P. M. Percy met
me at North Station. Found Mary Gannough
at lunch with C. & E. Spent afternoon
in house, reading & writing. Hand
writing reading.

Garden birds. A few Grackles, Robins, Starlings
& House Sparrows eating the few remaining
cherries of which there has been but a
skin crop this year.

Almost no birds seen or heard in Wolfboro village. Weather doubtless silenced them.

No signs of insect damage to foliage anywhere noted between Wolfboro & Boston yesterday.

Cambridge

Ther Sunday, June 23, 1918 Wea
Dull.

Mostly cloudy with fresh westerly wind & occasional light showers. Still very cool. Wood fires blazing in all our living rooms.

Garden birds Robins, Red-eye*, Flicker*, Blue Jay & Goldfinch heard, also Kingbird. On lawn front of house were assembled at one time in forenoon 4 ad & 6 young Robins 1 ad & 2 young Chaffins, several House Sparrows. The Chaffins probably nested in one of the dense spruces on back of lawn for I heard the male bird singing there repeatedly in May.

Perey has seen the brood of young Blue Jays in the lilacs since they left the nest but only the old ones have been seen by me.

Spent most of day in Museum writing letters by a bright bird fire.

Miss Allge & Miss Hoppin at dinner with C., E. R. S. & me. Mary Allge called after supper to get us to take our saving stamps. E. took one & I twenty.

Cambridge - Boston - Concord.

Ther Monday, June 24, 1918 Wea
Fine

Brilliant sunshine every now & then obscured by cloud masses drifting across the sky before a light westerly wind. Just comfortably warm.

To Boston at 10.30. At our office most of time until 1.30. Signed quarterly Estate cheques & visited Safety Vault to cut coupons for Liberty Bonds & to deposit saving stamps (twenty of them) which our postman, Coogan, brought me this morning.

After lunching at Thompson's went to Framed Hall Square & bought an "Iron Age" wheel cultivator for Farm. Lots of people buying tomato plants there.

Took 2.30 Train to Concord where Gilbert met me. After reaching Farm strolled about for an hour. After supper walked to Retchin place. Birds.

Singing freely included Robins, Vireo, Red-eye, Redstarts, Indigo birds (2) Catbirds, Towhees, Chestnut sided Warblers.

Strawberries pasting. Many raspberries ripe. Currants ripening.

Concord

Ther Tuesday, June 25, 1918 Wea
Fine

Clear with light S. W. wind. Agreeably warm thru day but cool at morn & eve.

Birds singing freely all day. No falling off as yet in their delightful music. Near house I heard Robins, Cat bird, Indigo bird, Song Sparrows, 2 Redstarts, Red eye vireo, Chestnut sided Warbler, Maryland Yellow - throat, Towhee Goldfinch, Crested Flycatcher but no Wren to-day & but one yesterday, although two were singing here last week.

In Pulpit Rock pine woods heard a Pine Warbler & Black thr. Green, a Blackburnian & a Solitary vireo & Down birds; in Birch Field a White thr. Sparrow (9-11 a.m.), Hermit Thrush & Indigo bird. In Presumpscott a Blackburnian, Black thr. Green & Towhee; at Ritchie pl. a vesper Sparrow & Redstart. Started @ Woodstock from cart path in Berry Pasture to Pile. He flew fast & whistled shrill.

Spent forenoon with Teph cutting back stables in south end Green Field.

Straddled through Berry Past. & Redstart place in late P.M.

Concord

13 Ther Wednesday, June 26, 1918 Wea
Fine

Brilliantly clear with light, cool easterly wind. Very cool at morn & eve.

Bird music less in amount & fervor than that of yesterday. Chippies wholly silent. Two Cat birds singing ecstatically at evening, one front of house, other at Ritchie place. Very fleeting in run at 8 P.M. No Wren to be heard anywhere. Both our birds seem to have disappeared. I doubt if either secured a mate. Much the same thing happened here years ago. Then there was only one ♂ who finally went away & returned a week or two later. Both males here this month spent most of their time bringing bare feet of carrying sticks into post boxes near house.

2 Crows coming close about house frequented by irate Robins. 2 men in Pulpit Rock woods accompanied by noisy young on wing. I shot twice at latter with 22 cal. rifle but missed both shots.

Spent most of day near house with Burbank who was making chicken yards & Teph who cut down dead trees. Preffer came to saw 8 cords of wood at Ritchie place & George helped him. They worked about 7 hours.

Rhamnus frangula v

Concord

Ther Thursday, June 27, 1918 Wea
Deer 7 in

Early morning cloudy; after 10 a.m. brilliantly clear with light, cool E. wind.

Birds singing well all day. Those heard close about our house included a Solitary Vireo who sang for half an hour in forenoon, at first in apple trees, then in oak grove at rear of barn. Yesterday I heard a Warbling Vireo sing twice in trees over road near big elm.

I took down the pole box fr. of house this morning. The Swallow's nest was tenantless & full of the young birds' excrement. Half an hour later two Swallows came & circled many times about where it had been, evidently looking for it. I have never known this happen before yesterday. Hitherto once the Swallows get their young on wing they do not return to the nest box until another year.

Left reports two parties of Deer (3 & 4) seen near Benson's a few days ago & fresh tracks of two crossing Ritchie's corn field today.

Spent forenoon near house with the men. Bushwacker putting out chicken coops, Left morning. George working the strawberry bed. Went to village in P.M. to call on Miss Eaton. She showed me a solid patch several yards square of a yellow-flowered orchid new to me. Also a new shrub with red berries. Better known spring up near a well on hill top.

Concord

Ther Friday, June 28, 1918 Wea
Dark 7 in

Dark cloudy with light, clear E. wind. 7 in misty rain falling after dark.

Robins, Cat birds, Red eye, Redstarts (2/), Towhees, Chestnut sided W., Indigo bird singing freely near house this day.

White thr. Sparrows at our Pasture singing occasionally at our house. Hermit thr. near Pulpit Rock in full song at eve. Hairy W., silent & Towhees & Maryland Yellow throats in locs fr. of house. Green Heron flying high S. over garden & Strawberry beds.

Red-eyed Vireos flying down to bird bath striking surface of water hard with breast & belly, then preening in bush to give wings & shake tail. It seemed to get a good chewing there. I cannot recall seeing any Vireos bathe in any other manner. It is equally characteristic of Flycatchers at least Phoebe & King birds.

Working all day in flower beds transplanting, weeding & watering. Left & Bushwacker finished chicken yard. George cultivated corn & named corn.

Concord - Boston - Cambridge.

Ther Saturday, June 29, 1918 Wea
Time

Foggy morning followed by clear, calm, comparatively warm day.

To Boston by 8.05 Train fr. Concord. Sat with Geo. Myers. On reaching city walked to Park St. Police to enquire about R.I. packets. Then to our office. Spent most of time there up to 3 P.M. Talked with Buttrick & Arthur about Estate investments. They urged the exchange of our Fisk Wharf bonds for Mass. State bonds. As we already hold 323,000 of the latter I refused to attempt to purchasing more. They both consider the Fisk Wharf safe enough.

H. K. Brown came at my request for a short talk. He says all the Jefferson - Kettell payments fr. legacies etc. have been duly paid. The Geo. B. K. Estate cannot be settled until administrator is appointed in England. He is arranging this. Lunched at Thompsons. Visited Potter's Gray's and Stone's & bought speaking fan etc.

Home by 3.15. Found C. on back piazza. Looking better than ever. She now calls on neighbors & runs a lawn mower a little. Molly (Gold) Harwood's last husband (a little) went through garden with us. She is pretty as ever. I read letters from David & Mary after supper.

Cambridge.

Ther Sunday, June 30, 1918 Wea
Time

Bright sunshine all day. Forenoon calm & warm, afternoon cool with light easterly breeze.

Garden birds: 5 or 6 ad. Robins (one in full song) and as many young of various ages including one unable to fly which Miss Devens found on sidewalk & brought in to me; Red-eye singing all day; Chippy singing fitfully & either this or its mate feeding 3 full fledged young in shrubbery by museum; Goldfinch singing sweetly; Kingbird calling in jungle; Jay followed by full grown young; Flicker probing for ants in cracks of stone flagging front of house; Crows heard near at hand, early morning.

Spent most of day in Museum writing letters. C. went in town to Church with Lorry Fulbright in late P.M. walked with me about garden & jungle for half an hour or more. We called on the Cotts. Fullers this eve.

Cambridge.

Ther Monday, July 1, 1918 Wea
Concord plants identified. Fair.

Partly sunny, mostly cloudy. Light rain at eve. Warm & humid thro day.

Garden birds 6 ad 4 juv. Robins; ♂ & ♀ ad. Red-eyes; Chippy 2; 4 House Sparrows; Blue Jay; Kingbird (perched on tree top in jungle); ♂ & ♀ ad. Chickadees together in apple tree.

To Gray Herbarium at 10.30 a.m. Look over specimens of the two plants obtained at Miss Eaton's last Thursday. Neither was recognized by any of the Herbarium botanists who examined them with great interest. Indeed it took half an hour of study & comparison before they were finally determined. One proved to be

the other *Rhamnus frangula* L. Both are new to the flora of Mass. although reported in a few localities elsewhere as introduced or escaped European plants.

Saw Mr. Cameron who gave me a pretty yellow-flowering aquatic plant; he says a "small crane" visits their lily pond daily. Young cranes coming near us. Walked home. At 2 P.M. C. & I started for Concord by motor to call on the Greenoughs, especially Ruth & her husband Brewster Kellogg. Every male in Greenoughs there. Home by 1/3 P.M. Wrote letters after that. Had evening reading. Drove Fuller & Mrs. Cobb at supper.

Cambridge.

Ther Tuesday, July 2, 1918 Wea
Dull

Partly sunny but mostly cloudy. Dead calm, warm, humid.

Garden birds. Robins old & young, former singing well at eve.; Red-eyes in full song all day; (4) Swifts, carolling overhead at sunset; Chipping Sparrows old & young; a few House Sparrows; a Kingbird calling.

The Tadpoles brought from Concord last autumn & now in pond by Museum all have well developed hind legs but still retain their tails. One of them has all four legs fully grown & a grain frog-like head & eyes. This one was half out of water to day.

To Harvard Sq. by trolley car at 10 a.m. Had two teeth filled by Dr. Anderson & hair cut by Mark. Drove 25¢ for deposit at Chas Riv. Trust. Home by 12.30. Spent P.M. in Museum & garden, writing cheques, pruning etc. Had evening reading. Called on the Spelmans in last P.M.

Cambridge. Concord

Ther Wednesday, July 3, 1918 Wea
Time

Brilliantly clear with light, cool
westerly to easterly winds.

By motor to Concord via Arlington
Bry. & Bedford, 10-11.30 A.M.

Shortly after our noon dinner I
had a delightful & wholly
unexpected visit from Ruthven &
Martha Deane whom George brought
up from Cambridge in his Ford car.
They were here almost two hours.

We went to the Kitchen place &
Pulpit Rock, all over the Farm
& then sat for half an hour or
more in the house, chatting.

They had scarcely departed when
Miss Mary Eaton appeared in an
open buggy, drawn by a white horse.
She brought me two plants of
Balthus pratensis & some ladies
delights. After that I worked
 awhile in the flower gardens
& after supper watered them.
Hermit Thrush, Veery & Peewee bird
singing for half an hour at eve.

Concord - Cambridge

Ther Thursday, July 4, 1918 Wea
Time

Brilliantly clear for most part & delightfully
cool at noon & eve. Although warm at
midday. Light thunder shower 2 P.M.

Garden birds. A Red-eye & 2 Robins
singing. 2 other Red-eyes, both adults,
keeping close company & uttering scolding
notes while the third bird was in song.
3 Flickers together in jungle; one of
(perhaps one of this trio) probing cracks in
flog wall & turf behind house, for ants.
Chiffchaff heard singing & King bird calling.
Half a dozen or more House Sparrows.

Spent forenoon in Marshnew, working.
Lethes - after motoring down from Concord
(8.15 - 9.20) via Bedford, Lexington &
Arlington. At 4 P.M. went with
C. up Sparks St. to call on Ruthven
& Martha Deane. Walked back with
C. at 4.30 & then returned & sat in the
Deane library with Ruthven, Martha &
Mary Deane until 6.45. George joined
us shortly before then. Enjoyed this
talk exceedingly.

Cambridge

Ther 62° min. My sixty-seventh birth day. Wea Dull

Cloudy with strong, chill east wind & a little fine rain.

Garden birds. 2 Robins singing, several young of assorted sizes in shrubbery & on lawn; ad. Chippy singing, spotted young bird seen; 10+ House Sparrows on lawn; Red-eye & Kingbird heard calling & a Flicker "shouting" (feebly).

Spent most of day in Museum writing letters. C. had arranged to celebrate my birth day by having the Emersons & Mrs. Almy at dinner & Gus & Mary Deane to greet me afterwards. This was given up because I had had a bad night & did not feel equal to seeing & entertaining any one to-day. C. gave me Santoni's Therman & E. a fine supper. The Almys sent in a set of small flags of all the Allied Nations in the war. Mrs. Scudder sent a pretty picture card from Chelsea.

to Cambridge - Manchester.

Ther 52° min. Saturday, July 6, 1918 Wea Fair

Partly sunny, mostly cloudy. Cool with light easterly wind.

Spent forenoon in Museum writing letters. Started for Manchester soon after dinner & took 3.15 train from Boston. Found Edward Mearns in smoking car, enjoying his cigar, and rode with him as far as Salem. He is eighty years old yet vigorous still. He gave him his third honorary degree of Doctor of Science, last month.

Dick Dana met me at Manchester with his Cadillac car. We motored direct to his house. Walked along beach & in woods, before supper. Low tide & a clean smooth beach dotted with delicate pink & purple strands of sea weed but with no stranded fish that we could find. A few Gulls come off shore. Banks of fog there. Woods gloomy & silent except a chanted Wey. Robin & Chippy singing near house, Song Sp. by shore. Spent evening by harbor fire. Travers (Mrs. Durand) keeping house. She came in late in evening.

Manchester.

Ther

Sunday, July 7, 1918

Wea

Halle cast up on beach

Forenoon, partly sunny; afternoon dark cloudy with light thunder shower followed by drizzle & rain.

Gull voices in prolonged musical clamor mingling with the soothing note of surf on beach came to my ears at daybreak & later. Upwards of 300 Gulls spent entire forenoon along beach sometimes on its sands, & times swimming just beyond its breaking waves. Going to beach at noon we found a stream, thickly in places, with Pollack-like fish of one to three lbs. weight having slender, shapely, silvery scaled bodies, big mouths & formidable array to teeth. They were of same species as those I saw there July 2, 1916, when we were told they were Halle. There were then myriads of small, sardine-like silvery fish.

Of these we saw only a few to-day. The Gulls had doubtless eaten most of them. A few of the "Halle" had been partly eaten by Gulls & crabs. Of the latter we saw only two in beach. I did not go to beach with Francis on forenoon. I left by five & reached H. & I visited beach at noon. In later afternoon we walked along road about a mile to a pretty sea beach cove. Heard singing, Pine Warbler, Black-thr. Green, Chestnut-side, Purple Finch, Chipping, Song Sparrows, Least Flycatcher, Robins, Red eye Vireo. Saw a Kingbird, many Barn Swallows along shore. Back to afternoon tea. Half a dozen callers including the Bishop of Arundel. Had young ladies at supper & then went to bed. Saw two sent by postman.

Manchester - Boston - Cambridge.

Ther

Monday, July 8, 1918

Wea
Fair

Clear & rather warm with light northerly wind. Sea slightly veiled in silvery mist & looking its very loveliest. Voices of Sea Meers & note of surf again greeting my ears at daybreak.

Returned to Boston by 9.33 A.M. train. Dick Dana accompanied me. We parted at State Street, he to go to his office in Post Office Square, I to ours at 15 State where I spent remainder of forenoon. Deposited a lot of personal as. papers, got a new \$100. mortgage note at Con. Title Co. in exchange for old one taken from my box in Safety Vault, lunched at Thompson's, visited Dock & Fernald Hall Square to look at lawn mower for C.; called at Steinert's to find their place empty of customers & also rather barren of records; home by 3.30. Alice Stone & Sarah Ames called shortly after 4, Dr. Stevens about 7.30.

Garden birds. A Red-eye, a Robin & a Chipping singing, a Kingbird calling.

Cambridge - Concord

Ther Tuesday, July 9, 1918 Wea
Fine

Clear & cool through most of day but cloudy after 5 P.M. with a light shower about 6. Wind S.W., strong at times.

Leaving home at 10.30 Gilbert & I motored to Concord via Belmont, Waverly, Lexington & Bedford. Where in the last-named town the road crosses the Shawben Meadows we usually see Red-wings & Barn Swallows. The latter were there to-day but not the former. Reached the farm at noon. Spent most of P.M. with Gilbert, Barbouk & George picking currants, raspberries & Schaffner raspberries to send to Cambridge to-morrow. We got 18 quarts of currants & 4 of raspberries. The strawberries almost gone. I could get only a quart.

After supper I strolled about farm, along road to Lawrence's & back to Hitchcock place. Many birds singing well - 2 Robins, a Hermit, 3 Vireos, 4 Chiffins, a Towhee, the White-thr. Sparrow, a Towhee, Indigo bird, Grass Finch, Song Sp., Cat bird etc. Heard a Grosbeak sing up finally.

Concord

Ther Wednesday, July 10, 1918 Wea
Fine

Sunny & seasonably warm up to 6 P.M. when gathering clouds brought a succession of heavy thunder showers with downpours of rain lasting a couple of hours or more. One lightning flash accompanied, rather than followed, by a crashing report, must have been very near at hand.

Less bird music than yesterday. 2 Robins & a Red-w. the only birds singing freely & continuously. Heard a Song Sparrow & Indigo bird now & then. A ♀ Marsh Hawk flying high W. passed over faded forest of house, 3 P.M. Shortly after this I saw 4 Carolina Doves take same course just above top of trees.

The foliage of our shade, orchard & woodland trees remains as unscathed by leaf-eating insects as it was in June.

Spent forenoon working in flower beds bordering lawn. At 3.30 P.M. the Emersons Mr. & Mrs. with Ray's daughter, Ellen, drove down to see me.

It was Edward Emerson's birth day. He had sent him a call originally intended for mine but not used then. He brought me two of his paintings as a gift. They stayed about an hour.

Spent evening at the Lawrence's listening to Columbia records played by Richard.

Concord

Ther Thursday, July 11, 1918 Wea
Fine

Early morning cloudy followed by clear,
seasonally warm day. Light westerly wind.

Heavy Thunder shower at night (9-11 P.M.)

Bird music declining fast. Robins,
Towhees, White-thr. Sparrows, Veery &

Cat bird still singing freely, Indigo bird
& Song Sparrows heard only occasionally.

Wood Pewee in full song 8-9 a.m. in
our dooryard where he perched on
dead branches, darting out every now &

then after flying insects. This reminds
me that twice, within the past few

days, I have seen a Robin pursue &
capture a medium-sized whitish

moth flying low & slowly over a lawn.

1 adult Swift circling about our
house this morning & 3 or 4 at other
houses. While the brood of young in
back room flew over noisy all day.

Transplanted nasturtiums, Finches etc.
in forenoon, George helping me. In

P.M. cut some elms & maples (or rather
Yeph did under my supervision) in
Berry Pans. Struck 2 horned larks there &
saw 9, after supper, standing erect in
woodway below field front of house.

Concord

14 Ther Friday, July 12, 1918 Wea
Fine

Sunny, windless, very warm & humid.

Two thunder showers passed to south & east in
late P.M. but we got only a light sprinkling
of rain here.

Robins, Song Sparrows, Indigo birds (2),
Towhees, White-throated Sparrows & Grass Finch
singing freely especially at sunset. A

Veery in Berry Pasture sang almost
ceaselessly all day long & late into evening
twilight. The Warblers one and all have
lapsed into complete silence. So too have
the Cat birds since yesterday.

At 8 a.m. a loose feathered flock of 15
Barn Swallows passed over high in air S.E.

At evening two Cliff Swallows appeared
Goedfinches in full song now. A
Hairy Woodpecker spends the whole of
evening day digging out borers from the
much infested trees about our house.

Spent most of forenoon in old barn
where Yeph & Bartlett put up a lot
of sheathing. In P.M. Yeph & I cut a lot of
birch staves for dahlias on slope below
orchard. Found a few full grown Gyl
larvae on the trees.

Partridge & young.

Concord

Ther

Saturday, July 13, 1918

Wea
Dull.

Cloudy & misty with light rain at evening. Calm with occasional breath of easterly wind. Warm & humid.

A few birds including Indigo birds, Towhees & Song Sparrows sang at rather frequent intervals this day. A Robin, Veery & Hermit Thrush in full song at evening. The Peabody bird sang a dozen times or more at 8 a.m. in brush by roadside near our big elm. Later in day I heard him every now & then in his usual haunt near the Concord Pasture. A Pine Warbler singing freely on Pine Ridge when I passed that way at 3 P.M.

Started 3 young Partridges as big as Pigeons in Pen near foot of lawn. I think there were three that did not flush. The old hen was fluttering & looking in the bushes but did not show herself. Other manner was piled at Retchin place. Last spring the ground has recently been broken up with many worms by Skunks. When experiment was made there.

Spent forenoon transplanting flowers & working Strawberry bed. Walked to Holden & Ball's Hill took left in P.M. Many vine maples have turned copper or burned red & some look as if dying.

Concord - Cambridge.

Ther

Sunday, July 14, 1918

Wea
Mixed

Cloudy, foggy morning followed by bright, sunny forenoon, this by succession of heavy thunder showers (1-3 P.M.) with the sunlight flooding everything again after 5 P.M. Such at least was what happened when I happened to be.

Going about the Farm with the men after breakfast I listened to much delightful bird music, contributed mostly by Robins, Veery, Hermit, Tanager, Song & Veery Sparrows, Towhees, Peabody bird & Indigo bird. At 10 a.m. we left the Farm & motored towards Cambridge via Bedford & thence down the Shawsham River valley where I saw a flock of 9 Bobolinks including ad. ♂ in full nuptial pl. Reached home at 11.15. We had at dinner Miss Hoffman & Mrs. Mansfield.

Spent most of afternoon in Museum writing letters. At 6 P.M. walked up street & made short call on Miss Blatchford. After supper E. read I David Loring letters.

Garden birds: 2 Robins, a Tree-toad, a Chipping sp., a Kingbird - One of the Robins, a rare singer.

Cambridge - Boston

Ther

Monday, July 15, 1918

Wea
Fine

Sunny & rather warm with little or no wind. Clouds of thunder-cap type gathering in late P.M.

Garden birds. Robin singing delightfully towards evening; Chippy & Red-eye in full song through much of day; Flicker shouting feebly; Kingbird calling; 2 Swifts at sunset; silent Jay; Crows heard not far away; 2 or 3 House Sparrows.

Botanic Garden birds. One Song Sparrow singing sweetly, another chirping anywhere; Chippy singing; Kingbird calling & perching on lily pads in pond; family party of Crows, ad. & juv.; a Grackle 30+ House Sparrows at Botanic Garden 10-11 A.M. Took over

spray of Buckthorn (*Rhamnus frangula*) from our Berry Pasture where I found two small trees of it day before yesterday.

It comes from Europe & is probably new to Mass. Mr. Cameron gave me flowers of a beautiful *Convolvulus* (tricolor) & a lot of rooster poppies.

Walked back via Thorne Ave. & Sparks St. hearing another Chippy & Kingbird on the way.

Bunched with C. & E. on back piazza. Went in town at 2.15 to have eyes re-examined. Dr. Smyth away for the week, his patients taken over by Dr. D. C. Huffman who prescribed that both kinds of eye glasses be prescribed for me. Went next to Pinkham & Smith to order new ones. Walked across Cambridge to see house & garden there. Home by 6.

C. & I walked thru Sparks & Foster Sts. after supper looking at many gardens there.

Cambridge

Ther
90°

Tuesday, July 16, 1918

Wea
Fine

Brilliantly clear with fresh westerly wind. Warmest day since hot spell in May. Therm. rose to 90° in Boston according to ev. papers. I did not see it above 84° on our back piazza.

Garden birds. In full song, only a Robin & a Red-eye; singing feebly a Chippy & a Flicker. 2 Goldfinches calling on wing; a Kingbird & a Flicker perched. Young Crow calling not far off. 12 Grackles, flying in scattered order N.W., passed over at sunset. When I also saw 4 Swifts circling high & quickly passing out of sight. Later I saw a single Swift drop towards chimney of old Carpenter - Choate house. but it did not enter it.

Spent most of day in Museum waiting letters. Edward Emerson called at 9 A.M. While on one front sidewalk at 9.30 I was halted by two men in a passing automobile. At first I failed to recognize them. They proved to be John Burroughs & his son Julian on their way to Duxbury from New York State. Burroughs, now 82 years old, looks well & vigorous still. He had ridden 20 miles yesterday. I talked with them about 20 minutes but they would not come in. C. saw Dr. Cheaney this forenoon. He says his right eye is seriously affected now & needs an immediate operation. I am to see him to-morrow instead of going to Glendon as planned. Telegraphed & wrote them some after C. communicated this news.

Cambridge - Boston.

Ther Wednesday, July 17, 1918 Wea
Fair

Sunny hazy & warm until 4 P.M.
when a thunder storm, preceded by
a gale of wind, overspread the heavens
and deluged the earth for an hour or more.

Garden birds. 2 Robins, a Red-eye &
a Goldfinch in full song through much of
day; Chippy singing feebly & intermittently.
Flicker shouting ds. Kingbird calling.

Every few days one of the big Tadpoles in
Museum pond becomes a Green Frog. & several
of the little black tadpoles change to tiny Frogs.

There are many Butterflies of several kinds
now visiting our flowers.

To Boston just after breakfast. With Dr. Cheesey
in his office, 9.30-10 a.m., talking over C's
case. He strongly advises immediate operation.
This he has performed six times with perfect
success & without a single failure. If successful it
will preserve her remaining sight. He called
at our house in late P.M. when C. & I saw
him together. He encouraged us by what he said
about the successful success of his operations.
C. talks it all over calmly & bravely as is
her wont. I wrote to Dr. Cheesey about it.
Called at Pincham & Smith's this afternoon
to get my new glasses. The reading was
perfect. Also visited our office & saw Dr. Cheesey.
Only one change to be made.
Wrote. Leaving reading

Cambridge.

Ther Thursday, July 18, 1918 Wea
Fine

Clear & warm with light southerly wind.

Garden birds. 2 Robins singing at intervals
through day & for an hour or more before
sunset. Thrilling. The calm summer air quite
celestially with their sweet, fervent voices.

To me the song of a Robin never becomes
tiresome or commonplace but is ever at once
restful and delightful to listen to, being
so refined and so expressive of calm
serenity of spirit. In my mind it is one
of the most musical of bird songs and of
them all the most satisfying & hopeful.

There were three or four Robins running over
the lawn, one a spotted-breasted young bird,
the others adult. Two Flickers picking the
flapping for ants. Red-eye & Chippy singing
freely. Goldfinch singing feebly on wing.

Spent most of day in Museum writing
letters. Dr. Stevens called to talk with us
about the coming operation on C's eyes.
She, E. R. S. & I motored to the Palfrey
place & around Cambridge Common to see
the wonderful array of buildings for Radcliffe
when the Government is erecting them. We will
this ride soon after dinner. Henry Fuller
at supper with us on back porch when
we have most of our meals. E. R. S.
read "Orley Farm" after supper.

Cambridge.

Ther

Friday, July 19, 1918

Wea
Fine

Clear & just agreeably warm with little or no wind. Big Swallow-Tailed Butterflies, flapping & floating about the old lindens, over the lawn and Brattle Street, just as they have always done at this season ever since I can remember.

Garden birds. 2 Robins in full song in late P.M.; 2 Red-eyes, the ♂ singing only infrequently; a Chippy do.; also a Thrasher; Goldfinch calling; Swifts twittering overhead at sunset when 2 Grackles passed, flying N.W. I still hear our or near Kingbirds daily. They must have bred somewhere near perhaps at the old Wyman place when I noticed a pair in early June.

Spent most of day in Museum, writing letters. Walked up Brattle St. to Elmwood in late P.M. A young German doctor came in forenoon to test C's eyes for possible infection. She & E. R. S. with me in Garden after supper. Doctor had two chapters of "Orley Farm" in front hall.

Cambridge.

Ther

Saturday, July 20, 1918

Dr. de Schweinitz consults with C. & Dr. Cheney. Wea
Fine

Clear, calm & very warm - yet not oppressively so. A thunder shower passed close to northward at 4 P.M. but without giving us a single drop of rain. Gilbert, who motored to Concord for eggs & berries, reports that a large oak standing just behind our old barn there was struck & shattered by lightning, Thursday P.M.

Garden birds. A Robin in full song at evening; a Red-eye at intervals thro. day; a Chippy singing occasionally & briefly; a Jay screaming & a Kingbird calling in the jungle; 2 Swifts circling low at sunset.

C. with Margaret motored in town to meet Dr. de Schweinitz in consultation at Dr. Cheney's. After the former had made a thorough examination of her eyes it was decided that the left eye shall be operated on by Dr. Cheney early next week. This is merely to test the hoped for success of such an operation & not to save that eye, now wholly sightless. If all goes well the right eye will be operated on a month or so later. This plan was suggested by Dr. de Schweinitz. I understand. C. will go to a hospital in Newbury St. & have her old nurse Miss Broadbent.

I spent most of day in Museum. Walked to Elmwood in late P.M. Bad attack of bladder trouble of late but now better.

First Cicada.

Cambridge

Ther Sunday, July 21, 1918

Wea Fine

Charles River Marshes.

Clear, calm, oppressively warm. Light easterly breeze & a brief shower (without thunder) in P.M.

Garden Birds. 2 Robins in full song at dawn & other hours; 5 Robins, 2 Grackles & 6 House Sparrows on lawn; Chipping singing feebly, Red-eye freely; Kingbird calling. A great mob of excited Robins making prodigious clamor at nightfall in jagged shifting thrush to Birch Green & thence across Brewster St., in evident pursuit of some dreaded winged menace which must have been a Screech Owl.

Spent most of day in Museum, writing. Worked partly on brief article for Rhodora about *Lothyris pratensis* & *Rhamnus Frangula* at Concord.

Dr. Channy called in forenoon Dr. Stephens in afternoon. I saw them both. C. is very brown & cheerful about it all. Her left eye will probably be operated on next Wednesday.

In late P.M. I walked up Brattle St. & thence along borders of marshes to Cambridge Cemetery. 2 Meadow Larks calling, at least a dozen I think more, Song Sparrows singing far near. Found a pretty plumed grass near to me. Marshes overgrown in many places with trees & bushes. Care path around is shaded with much as of ferns - also *Caulis* ferns.

Cambridge

Ther Monday, July 22, 1918

Wea Fine

Cloudless, windless & intensely hot. The first really and thoroughly uncomfortable day since May 6 & 7.

Garden Birds. Loud outcries on the part of many Robins awakened me at 5.30 A.M. Dressing hastily, I hurried forth to find the Blackwell's black cat just outside our clothes yard fence sitting erect at the edge of a bed of grass in which lay a speckled breasted but full grown young Robin. It seemed more frightened than hurt & when I tried to grasp it flew off swiftly alighting first on ground & then high in a maple over Heideck Ave.

The agonized cries of another Robin evidently caught by a cat came from the jungle as we sat at dinner on back piazza & at supper time Danny chased a dark maltese cat up the middle garden walk & out over the western boundary fence.

Of other birds we had a Minioptila singing. Occasionally 2 down birds together on ground in lilacs, the usual singing Red-eye, a Jay, 2 Grackles on lawn.

In Museum most of day working on article relating to the two plants found at Concord. Walked up street to Elmwood in late P.M. & around garden with C. after supper. She had a busy day preparing to go to the hospital to-morrow.

Cambridge - Boston

Ther 97° Tuesday, July 23, 1918 Wea
C. goes to Miss Macdowell's Hospital. Fine

A cloudless sky, a blazing sun & light S.W. breeze combined to render this the hottest day of summer thus far. Ther. 97° in Boston.

Garden birds. 3 or 4 Robins, a Red eye, Kingbirds, Jay, Minivet & Oven birds. Swifts heard at evening. Robins singing half-heartedly then, Red-eye earlier in day. No other bird music.

For everyone an uncomfortable day, for us a sadly trying one because of C's departure to prepare for the operation on his left eye to-morrow. In forenoon she packed her trunk. He had dinner on back piazza. After it she went around garden & jungle with me, despite suffocating heat, looking at everything long & looingly, no doubt with thought similar to mine that it might be for the last time. At 2:15 we started for Boston in Ford car, taking Margaret. Twenty minutes later we reached Miss Macdowell's Private Hospital at 172 Newbury Street. Everything there most comfortable & attractive. I had a long talk with Miss Mac D. & a short one with Dr. Cheaney who called at 3.45. Home by 4.15. Worked on article awhile & called on Spelman. & read aloud to me on back piazza after supper.

Cambridge

Ther Wednesday, July 24, 1918 Wea
71°, 72°, 70° First operation on C's eye. Dull.

Ther. Cloudy with occasional dim sunshine. Cool easterly breeze. Comfortable day throughout. Garden birds. 8+ ad. Robins & several young just out of nest; Minivet, Oven bird, Red eye (2, 1 singing a little), Chaffinch, Crow, Flicker, Grackle on lawn, Swifts at eve.

2 ad red Screech Owls perching low & near together in jungle at nightfall with 8 or more excited Robins fluttering about, & every now & then swooping close past, then, making all the while great outcry. Owls bobbed their heads & sometimes flitted a few yards to other trees. I found one of their freshly shed wing quills under lindens & another in the pond front of Museum. Suspect they are catching goldfish.

Spent most of day in Museum working on botanical article. Short walk at evening. Miss Macdowell telephoned about 11 a.m. to say that operation performed by Dr. Cheaney, with Dr. Spaulding's assistance, on S's left eye had been in every way successful & that C. was then resting comfortably. Same report this eve. Shortly after 11 a.m. bells rang & whistles blew for & mass for 20 minutes. That it was about no one seems to know. We heard at first a rumour of another great victory since our confinement.

Cambridge.

Ther Thursday, July 25, 1918 Wea
74° max. Dull.

Cloudy & cool with light easterly breeze.
Sun shining dimly now & then.

Garden birds. The two red Screech Owls remained perched all day within a yard of each other in top of tall tree, amid dense foliage, directly above where I saw them last night. They discovered there there. This morning. The Robins paid no attention to them during daylight hours but at evening made loud outcry again.

A *Merula* calling; a Chipping sparrow (once, only); Swifts heard at evening;
6 Grackles flying high at sunset.

Most of day devoted to botanical article which I finished by 4 P.M. To the Spelman at 6. They came back with me to see our dahlias, now making a handsome show. E.R.S. read to me in hall after supper. They went in town with C's bed this morning & saw her at hospital bringing back an encouraging report. Dr. Stevens called to see me this morning. He seemed in bad shape, himself.

Cambridge.

Ther Friday, July 26, 1918 Wea
82° max. Fair

Forenoon Cloudy; afternoon sunny, calm & warm.

Garden birds. The two Screech Owls spent another day perched exactly (to an inch) where they were yesterday. Again they were mobbed by Robins in gathering twilight. After dark I last night heard one utter the cat-like, growling cry & to night one is wailing as I write this.

2 Cedar birds on wing yesterday & 3 to-day in rum cherry by back gate although its fruit is still green & hard. A Goldfinch, a Kingbird, 2 *Merulas*, an Oriole, a Jay, Grackles & Swifts on wing, Juncos heard. My Auburn birds. Robins; Flickers (2), Starlings (5 or 6).

Bird music, declining these past weeks. Has by now almost wholly ceased. Even the Red-eye Vireo was silent to-day.

Letter writing absorbed most of my attention this day. At 3 P.M. returned to & Mrs. Auburn with E.R.S. visiting her family but & Henry Purdie's. She sent to me in bail, please after supper from Aristotle Pour, out.

Cambridge. Concord.

Ther 84° max. at Concord; 92 in Boston. Wea Fine

Cloudless & very warm but with a fresh westerly breeze & low humidity; altogether a delightful midsummer day.

Too busy this morning to pay much attention to garden birds but saw both Owls on their accustomed perches and heard an "unseen" Warbler chirping in the lilacs.

Dr. Stevens called to see me professionally at 9.45. At 10.15 Gilbert & I started for Concord. by usual route via Arlington, Lexington & Bedford. Song Sparrows singing freely here & there. Reached farm about 11.50.

Spent most of afternoon & evening weeding and watering flower & strawberry beds. Visited Ritchie place & Berry Pk. Corn & potatoes wondrous fine. Heavy

crop of rye already harvested. Yellow transparent apples ripening. Raspberries passing.

Bird bath much frequented all day. Visited by Robins, Cat birds, Chippies, Minstrels, Maryland Yellow-throats & Scarlet Tanager (ad ♀), 2 ♂♂ Goldfinches on boulder in pond. Song Sparrows sang sweetly several times. Pheasant crowed once at length. No other bird noise. Young Swifts still in back room flies. Judging by their clamorous old ones they are now less than half grown.

Concord - Cambridge.

15 Ther Sunday, July 28, 1918 Wea Fine

Clear & oppressively hot with strong but not refreshing westerly breeze.

Concord birds. A Song Sparrow singing sweetly & freely, a Cat bird intermittently, a Minstrel brokenly, supplied all the bird music that came to my ears. Besides these I heard a Grosbeak utter its clicking call. Crows out in force & very noisy for several hours after daybreak. George caught a young one that could not fly well & we put it in the Pigeon yard to the consternation of a pair of Bantam fowls living there.

I had the horse running for two hours after breakfast. At 9.05 Gilbert & I started for Cambridge. It was not uncomfortable then but decidedly so during the sweltering afternoon.

Miss Haffen dined with Daisy & me on back piazza. After supper there with Daisy I took some apples to the Spelmans. Sam Henshaw in Mass Gen Hospital with septic poisoned hand, due to a bite from his Pet. Outram Bangs tells me this

Cambridge - Boston.

Ther
90° max.

Monday, July 29, 1918

Wea
Fine

Cloudless with strong S.W. wind & much humidity yet altogether a less uncomfortable day than yesterday.

Garden birds. 2 ad Robins; 2 Cedar birds; 2 ad. Red eyes; at least 4 (Percy thought 6) Minutillas, talking turns at spray bath where garden hose was playing; 7 Grackles & 3 House Sparrows on lawn; a screaming Jay; Swifts heard at evening.

Two or three of our big lindens & our many sidewalk maples have been shedding their leaves profusely for several days past. This prematurely ripening foliage seems to be affected by some kind of blight or fungoid trouble. The withered leaves thick over our lawn. Many tiny Toads hatched in our pond are now scattered throughout the Garden.

Forenoon devoted to letter writing in Mass. Motored in town at 3 P.M. with E. R. S. to call on C. at Hospital. She seemed in good spirits & talked with each of us separately for half an hour or so. E. read to me from David Copperfield on back piazza after supper.

Cambridge.

Ther

Tuesday, July 30, 1918

Wea
Mixed.

Forenoon oppressively warm & sultry with much sunshine. Succession of very heavy showers lasting thro. afternoon & evening with comparatively little thunder but torrents of rain, cooler after they had passed.

Garden birds. Shortly after breakfast I heard Warblers chirping in jungle & went in search of them, following them hither & thither for next half hour. There proved to be at least 4 Black & White Creepers & no less than 3 Golden wings, ♂ ad ♂ juv. They all kept mostly near the ground in low undergrowth & tall weeds, sometimes visiting the lilac hedge on Brewster St. & once congregating in the grape arbor. The two ♂ Golden wings were constantly near each other & usually scarce a yard apart, playing & sporting together very prettily & chirping a good deal. Both were typical as was the ♀ also. She kept apart save once when for a few moments I saw her with a ♂. He, I suspect, may have been a fourth member of the family party but of that I could not make sure. Besides these interesting migrant visitors we had to-day 2 Robins, 2 Red eyes, a Chipping sparrow (sang only once), 2 Cedar birds, a King bird, a Jay, 5 Grackles, Swifts heard. Spent day in Museum working letters, clippings etc. Gilbert clucking brooder. E. R. S. read to me after supper.

Cambridge

Ther Wednesday, July 31, 1918 Wea
Fair

Forenoon cloudy, afternoon sunny.
Cool easterly wind. Raining thro last night.

Garden birds. Interesting flock of migrating
Warblers doubtless including some of those
here yesterday but also others not then noted
or individually not the same. Thus there
were to-day 3 Golden wings, ♂ ad. ♀ ad. & ♀ juv;
6 Miniotillas; 3 Oven birds; and 2 Yellow
Warblers, ♂ & ♀ juv. The Oven birds kept
mostly in the jungle & on the ground; all
the rest rambled hither & thither together
spending much of their time in the grape arbor
where I viewed them to good advantage at
close range for all were very tame & some
of the Miniotillas boldly within feet of me.
Besides these species there were 2 Orioles, ♀ & ♂, one
a moulted ad. the other juv.; 3 Cedar birds;
2 Robins; a Red eye; a Chaffy & singing many
times; a jay & Kingbird heard; 2
Swifts circling high; 6 or 7 House Sparrows
on lawn. The changes in the Warbler flock
since yesterday are interesting because the
whole of last night was densely cloudy
with rain falling incessantly. Hence it seemed
no time for birds to either arrive or depart on
migration - as, however, apparently does happen.
Better writing & bird watching occupied my
forenoon. In Harvard Square. To have been
out in P.M. when E. R. S. kept our car
Boston in Ford car to visit C.
Usual evening reading

Cambridge

Ther Thursday, Aug. 1, 1918 Wea
Fine

Clear & cool with light northerly wind.

Garden birds. 2 ad. Robins on lawn; 1 ad. Red eye
& Chaffy, singing a few notes; a Cedar bird,
Oriole, Kingbird, Swift; 2 Grackles, 3 jays;
Screech Owl (red ad.) on same perch in jungle
where two have been of late; 2 or 3 House
Sparrows on front lawn.

Of migrant Warblers I could find about
the place (after searching every nook & corner
of it many times) only 2 Miniotillas, 2
Oven birds & an adult ♂ Golden wing.
These kept near together all day, mostly in
the south-east corner of jungle next the lawn.
Presumably they were individually
included in the little flock here yesterday,
being apparently some of the self-same birds.
The others must have kept on southward last
night. If so it seems strange that all did
not depart together - especially the Golden wings.
(The night was clear, calm & cool.)

Spent entire day out of doors superintending
work about place, mostly that of laying a water
pipe across driveway to Perry's garden.
Edward Emerson arrived at 1 P.M. bringing
two Aquaria, filled with plants, as a gift
to me. He dined with us on the 1st of Aug.

Cambridge

Ther
80° may.

Friday, Aug. 2, 1918

Wea
Perfect.

A perfect midsummer day with cloudless skies, light westerly breeze and no more than agreeable warmth - at least in shaded places.

Garden birds. Not many seen or heard. Of migrant Warblers only a single Minutella seemed to be present within our grounds. He sang a little, in rather feeble tones. A Chiffy was the only bird that sang freely & well. A silent Red-eye still frequents the jungle. This species usually sings daily through August but is not doing so now. Besides all these I noted 3 Jays, 3 Grackles, 2 or 3 House Sparrows, 3 Crows & a Cedar bird. No Screech Owl to be found.

Spent greater part of day out of doors superintending laying of water pipes into Percy's garden. The plumbers also worked in the house, changing or repairing things. Fanny Randall called in P.M. but I missed seeing her. B. R. S. read David Copperfield to me this eve.

Cambridge

Ther

Saturday, Aug. 3, 1918

Wea
Perfect.

Very like yesterday but somewhat less warm.

Garden birds. 2 or 3 Robins; do. Red-eyes, Cedar birds heard; 2 Jays & 3 Grackles, 3 Crows, 1 tickle heard; Chiffy singing a few times; a Swift at evening; 2 or 3 House Sparrows; red Screech Owl spending day in dense foliaged maple on north side of Brewster Street opposite head of our middle garden walk. Migrant Warblers represented solely by 2 Olive birds keeping together in jungle, mostly on ground. Butterflies of various kinds, including the Swallow-tail & Milkweed, constantly about our flowers. We have not seen anything like so many in the Garden for twenty years or more. Cicadas less numerous than usual. I hear only one or two daily. No fireflies as yet.

Spent forenoon in Museum, working; afternoon walking in Garden with Percy & John. Miss Agnes Balch at supper on back piazza. I walked home with her at 9 P.M.

Cambridge

Ther

Sunday, Aug. 4, 1918

Wea
Fair

Partly sunny, largely cloudy. Cool
easterly to southerly breeze.

Garden birds. The usual 2 Robins,
2 Red-eyes, Chippy, Jays, Grackles,
Crows, Cedar birds, House Sparrows,
Swifts (4 at eve). ♂ ad Oriole heard over
giving his floating notes in full.

Red Screech Owl back on accustomed
perch high in tall ash in jungle.

Of migrant Warblers I found in the jungle
at 9 a.m. & afterwards 4 Minivittas,
3 Oven birds and a young ♂ Golden wing.
All these were presumably fresh arrivals
that had dropped in overnight. Unlike
those of same species here before & later
they kept together, very near the ground
(rarely visiting tree or branch more than
six or eight feet above ground), and were
neither shy nor restless.

Read war news & wrote letters in
forenoon. Miss Balch & Frank Manning
dined with E. R. S. & me on back piazza.
Frank stayed on until 5 P.M.
E. read aloud to me after supper.

Cambridge - Boston.

Ther

Monday, Aug. 5, 1918

Wea
Fair

Calm, warm & very humid. Forenoon
cloudy, afternoon sunny.

Garden birds. Not closely observed but
evidently few in numbers. Red-eye birds
heard singing incessantly & listlessly,
One bird chirping under my windows
at day break. 2 or 3 Robins, several
House Sparrows, 2 Kingbirds, one or
more Cedar birds (heard), a Jay, a
Swift & 6 Grackles flying over at
evening. No Screech Owl in jungle.

Dr. Stevens called at 10.30. He
invited me to Harvard Square
where I went by trolley car to our
Boston office. Saw then Darling, Bernis
& Miss Walker. The last named told
me in confidence of her engagements to
Dr. Francis Watson, cousin of Cameron
Forbes. She seemed radiantly happy.
Lunched at Thompson's & called at
Pinkham & Smith for glasses. Home by 4.30
Mary & Iroy Supper with us on back
piazza. Mrs. Fred Allen & Bessy called later.

Cambridge

Ther 92° Tuesday, Aug. 6, 1918 Wea
First Free Creek. Fine

Mostly sunny, very warm & humid,
light southerly breezes. Uncomfortable day.

Garden birds. Fresh lot of migrant
Warblers spent day in jungle occasionally
visiting lilacs & once assembling where a
hose was playing, to dash back & forth thro
its cooling spray. The flock was made up
of 4 Minstrels, 2 Oven birds & 3 young
Chestnut sided Warblers - all young birds
showing no chestnut. There was also an
immature Maryland Yellowthroat, singing
thrice very near me, in whispering tones
yet otherwise quite after usual manner of his
kind. Of other & local birds I noted 4 Robins,
15+ Brown Grackles (one ground in jungle),
a Kingbird, 2 Red-eyes, a Chippy (singing
once), several House Sparrows, a
Cedar bird (eating rum cherries, now
refusing), a Swift at sunset.

Shortly after dark heard first Free Creek,
a brisk-fiddling one.

Spent day in Museum reading, writing
letters. No calls. E. R. S. read David
Coffinfield after supper.

Cambridge

Ther 82° max Wednesday, Aug. 7, 1918 Wea
Hel. pinus et. Dryopteris Fair

Forenoon sunny but hazy; afternoon partly
cloudy with heavy thunder shower at sunset.
Uncomfortably warm & humid most of day.

Garden birds: A Blue-winged Yellow Warbler
with pure yellow wing bars accompanied by
an Oven bird & a Minstrel spent forenoon in
jungle. There could not then have been any other
Warblers here for I went through very much
& corner of the place again & again. But
at 4 P.M. I found assembled in the lilacs
a flock containing the three birds just noted
& also another Blue winged Yellow, having
white wing bars; a very handsome ad ♂
Golden-wing; another Minstrel; 2
young Chestnut sided Warblers showing no
chestnut & a ♀ Maryland Yellowthroat.
My observation of the Blue-winged Yellow
Warbler is fully described in my journal.
Besides these Warblers I noted 6 Robins
& 2 Cedar birds eating rum cherries, 2
Red-eyes, a Chippy, several H. Sparrows,
a Flicker, a Kingbird an Oriole & a Crow.

Spent much of day following Warblers
about, the balance in Mus. writing letters.
Usual evening reading by E. R. S.

Cambridge - Concord

Ther

Thursday, Aug. 8, 1918

Wea
Fair

Even shining dimly at times, at others obscured by clouds. Unusually hot & humid until near sunset when a cool east wind brought glad relief.

Distant thunder every now & then.

Cambridge Garden birds. Scant in numbers & variety. A Minutella in willows accompanied by another Warbler that looked like H. pinus but could not be identified because seen only among dense foliage high in trees & against a somber sky. Besides these I noted only 2 or 3 Robins, 2 Cedar birds, 1 Red eye, 4 Grackles, a Chippy, 2 House Sparrows, a King bird, 3 Swifts, a Downy W.

Birds at October Farm, Concord. A Robin, 2 Cat birds, a Chippy, 10 Swifts circling at sunset, 7 flickers roosting in barn at eve. Crows cawing.

Spent forenoon in Mass. writing letters. To Concord by 2.30 ex. from Boston. Burbank met me at station with his runabout car. At Farm by 3.25. Watering gardens until dark. Saw - bearing strawberries & blueberries - fine show of Plof, dahlias etc.

Concord

Ther

Friday, Aug. 9, 1918

Wea
Stormy.

Dark cloudy & foggy with heavy showers following one another closely & thunder muttering in far distance W. Cool N.E. wind blowing all day.

Farm birds. A Robin, Cat bird, Veery & ad ♂ Redstart in Berry Pasture, ad ♂ Indigo bird in full, rapturous song repeated many times (Ritchie place), a few Barn Swallows & Swifts on wing (the latter also heard in our chimney) several King birds, a Green Heron flushed from pond in Berry Pasture, Maryland Yellow-throat.

The heavy rain kept us all in doors most of day but Georg. & I managed to do some work in flower beds & to get out the lawns (working only through forenoon). In late P.M. I went to Ritchie place & also the Berry Pasture where I took a twig of Rhamnus Frangula, its berries now mostly black. Mrs. Burbank gets my meals but I am alone in the old home all night.

Concord - Boston - Cambridge.

Ther

Saturday, Aug. 10, 1918

Wea
Dull.

Cloudy & very cool with fresh north-easterly wind.

Cambridge Garden birds. A Minioptila, Jay & House Sparrows were literally all I could find about the place. This afternoon.

Shortly after breakfast Burbank motored me over to Bedford where I took 8.14 train. On reaching Boston went directly to our office & spent about an hour there. Did a little shopping & came out to Cambridge by noon, going from Hume Ave. car to Gray Herbarium where I saw Mr. Bridge & Cameron. He compared a branch of Rhamnus Frangula taken yesterday at Concord with a living bush in the Bot. Garden & found the two essentially alike. Since my last visit there Mr. Bridge has found in their collection specimens of Lothyus fraxinus taken at W. Springfield Home by I. P. H. Spent afternoon writing letters. Alice Bartlett called.

Emmy Kettell here since yesterday noon. She, E. R. S. & I spent evening in hall, talking.

Cambridge

Ther

Sunday, Aug. 11, 1918

Wea
Dull.

Cloudy, cool & windless. Heavy rain last night. Everything drenched by it to-day.

Garden birds. Continued scarcity of both migrant & local ones. Had Robin with one or more bob-tailed young; a Red-eye; a Minioptila; Kingbird, Cedar bird & Swift heard.

Went with Emmy Kettell to call on Alice Bartlett in forenoon. In late afternoon we walked down Brattle St. thro. Mason St. & half around Common now crowded with barracks for recruits & enclosed in a high board fenceth bristling with barbed wire. Came back thro. Berkeley & Craigie Streets. Spent much of day in Museum, writing letters. Miss Hoppin dined with us. Clara Howe called after supper.

A Tree Toad (but no more than one) fiddling in lindens every night now.

Cambridge

Ther 85° max. Monday, Aug. 12, 1918 Wea Fine

Sunny, warm & humid but not uncomfortable except during mid day hours.

Garden birds. 3 or 4 Robins; a Red-eye in full, continuous song for many minutes about 3 P.M.; a Kingbird calling; Swifts twittering over house in early afternoon.

Uncle Wartsles heard chirping in jungle at intervals through day. I tried in vain to get an identification and once did have a fleeting glimpse of two birds which looked like Minstrels but one of the chirpers was certainly something else, to judge by its call notes.

Letter writing in Museum occupied much of my day. Also packed things for trip to. tomorrow. While thus engaged was suddenly prostrated by giddiness & nausea. Dr. Stevens happened in just then & soon relieved me. Fanny Randall arrived at 2 P.M. & Miss Hopkin at 8.30, both to stay overnight.

Cambridge - Glendale.

16 Ther Tuesday, Aug. 13, 1918 Wea Fine

Intense heat, severe tempered by a light southerly breeze but somewhat abating towards evening which, however, was a rather trying one even at Glendale.

To Boston in Ford car (run by one of Shepard's drivers) to take 10.04 train from Trinity Station for Pittsfield. Parlor car seats "sold out" but they let me have one in smoking compartment to Worcester & after that one in main body of car, so I got one well enough soon for terrific heat. Purple bodystripes making splendid show along sluggish river beyond Ashland. Crops looking well everywhere. Chestnut decline all the way & sad enough to contemplate. Reached Pittsfield shortly after 2 P.M. & took 3.20 train for Glendale where Wynne met me with Dodge car. Welcome at Chestnut by Mrs. French & Margaret. Dinner in New York City hall by supper time. House full of guests - Mrs. Ducea (on War Relief drive), Mrs. Potter, Miss Harbeck, Mrs. Ducea's son & another niece. Spent evening in Studio Court with lantern dipping, fountain playing & Victrola going all the while.

Glendale.

Ther Wednesday, Aug. 14, 1918 Wea
Fine

Another day of blazing sunshine and oppressive heat somewhat tempered by strong southerly wind and ending in a heavy thunder shower after which a cool west wind started & blew all night. Goldfinches singing freely, Red-eyes & Wood Pewee a little, young Song Sparrows now & there, Nuthatches calling, House Wrens feeding young in box over studio picture (another nest, occupied this season, under house porch), Chipping on lawn, brood of young King birds just out of nest in pear tree. Uncle Carous no longer frequented by Robins or by Cotton-Tail Rabbits.

Red-shouldered Hawks screaming, one Broad-wing seen on wing, Green Heron heard towards river. Whippoorwill in full, long continued song at evening.

An idle day - passed pleasantly enough in reading, talking & napping. Dan at work in studio on his big Lincoln Statue for Potomac Park. Most of guests departing but Mrs. Potter remains - a very pretty, intelligent & agreeable young woman, devoted to dogs etc.

Glendale

Ther Thursday, Aug. 15, 1918 Wea
Perfect

Brilliantly clear & delightfully cool with fresh westerly wind. Northern sky illumined by Aurora borealis of moderate brilliancy but without "streamers", at 11 P.M.

Red-eye singing freely & well; Purple Finch brokenly yet musically; Oriole many times, in clear, loud voice. Wood Thrush & Crested Flycatcher calling. One Cicada "frying". Tree Toad "

Spent most of day in room, reading and writing. Starting at 4 P.M. Dan & I walked over to the Smiths. By them the old Knight farm has been transformed into a gentleman's summer place, not as yet completed, however. They have removed all the original buildings save the house & that ^{is} now included in a much larger & very attractive one. The pretty broad meadow below it has been tile-drained & a great pity as I told them frankly, Dan has laid out for them a pretty flower garden not unlike his. Mrs. Smith told us up the broad to where it has been drained to afford a better supply. It called on us this evening.

Glendale

Ther 56° at 7 a.m. Friday, Aug. 16, 1918 Wea Perfect.

Brilliantly clear & deliciously cool with fresh westerly wind.

A Red-eye, Chippy, Baltimore Oriole & Wood Pewee the only birds heard singing. Not many others seen. Migrating Warblers passing over in great numbers between 9 & 11 P.M. on August 13 & 14. but none to be found by day after their nocturnal flights.

Spent forenoon in chamber, reading & writing letters, notes etc. Mrs. French's weekly reception in Studio grounds, 4 - 7 P.M. Upwards of twenty five people attended & among them Mrs. Choate & her daughter. We all sat around in chairs on lawn next pergola wherein the tea, lemonade & cakes were served. Mrs. Wier French appeared to join the household guests, of whom Mrs. Powell alone is left just now.

Glendale

Ther 5-70° at 7 a.m. Saturday, Aug. 17, 1918 Wea Perfect.

Another day of cloudless skies & brilliant sunshine tempering a cool north-westerly wind.

Little or no bird music from any thing, saw a Goldfinch and a Wood Pewee. Saw an adult ♂ Hummingbird at Cardinal flowers & a Least Flycatcher in alders, by the roadside at the Smith place. Heard call notes of Hermit Thrush & Black-thr. Green Warbler in the pasture by Outlook.

Shortly after breakfast Dan & I walked down the road to visit the Smiths. Mr. Smith took us up the brook to where his daughter & a girl friend, both in overalls & one wearing rubber boots, were at work in a pond they had dug & surrounded by brilliant flowers of various cultivated kinds.

In late P.M. Dan & I went to the Pasture Outlook & sat there talking & a while supper time. Flushed a bird & 6

Glendale.

Ther 53° at 7 a.m. Sunday, Aug. 18, 1918 Wea Perfect.

The glorious autumnal-like weather of yesterday & the day before continues essentially unchanged although today was somewhat cooler than the others and almost windless.

Baltimore Oriole in full song, Red eye, Purple Finch & Wood Pewee singing listlessly. Flicker & Black-bellied Cuckoo near house, two brown Indigo birds in corn field. Also in corn & busily feeding among its "tassels", a bird not unlike and to Purple Finch but smaller, bluish & more mulberry red throughout its handsome body plumage. It looked a good deal like the Cal. House Finch but I failed to identify it although viewing it long at close range in full daylight.

Barn Swallows from the barn town down East Spring at the Thright (near Smith) place have nested since in the French's barn & on me. Just as barn & sheds. In one of latter a pair were feeding young in nest today. Shortly after breakfast Mrs. Hill French & I walked down road to Smith place. In mid P.M. all the members of our household save Mrs. D.C.F. visited Mr. Intosh & were most graciously received & entertained by him. Evening spent in park, talking.

Glendale.

Ther Monday, Aug. 19, 1918 Wea Perfect.

A fourth day essentially like the other three and precisely like yesterday. During all four days the Dome has been at no time obscured by clouds & but slightly at any time by haze. This glorious weather is distinctly autumnal in character yet often if not usually characteristic of the latter half of August which obviously belongs to autumn rather than summer, as far as seasonal conditions go to show.

Red eye, Oriole & Wood Pewee singing more or less freely; also a Black & White Creeper. Unusual scarcity of migrant Warblers. Failed to see or hear a single one in extensive pine woods across road, where they usually abound at this season.

Spent A.M. in house & studio. In P.M. went with Dan to pine grove pasture across road, whither Mr. Smith accompanied us. No birds whatever there. Capt. Albert Fletcher came from Washington at 7.30, & entertained us delightfully all the evening - when Mr. Intosh & Lullmann called.

Glendale

Ther Tuesday, Aug. 20, 1918 Wea
Perfect.

Cloudless & almost windless with
brilliantly clear air & bright sunshine.
Warm through day, cool at noon & eve.

Forenoon spent mostly in
house & studio. Also took a
short walk with Mrs. Powell.

In late P.M. Dan & I went to
the Smiths where we found the
whole family (except Mrs. S.) assembled
& the two daughters working on their
little pond among the alders by
the brook. Miss Cummings, an

Australian girl & successful actress,
dined with us & spent the evening.

She & Capt. Fletcher did most of the
talking & both were highly entertaining.

Glendale - Cambridge

Ther Wednesday, Aug. 21, 1918 Wea
Perfect.

The sixth day of absolutely clear &
altogether rarely perfect weather. Warmer
than yesterday but not uncomfortably
so out of doors & refreshingly cool at
noon & eve. The early morning at Chatham
was simply heavenly & the flower garden
there more beautiful than I have ever
before seen it. A Red-eye, a Hooded Merganser
on the pond & a Purple Finch sang rather freely, if
feebly & haltingly. A Rose breasted Grosbeak
heard calling - also a Bobolink after off.

Packed my things after breakfast &
was driven by James to Glendale Station
where I took 11.10 train for Pittsfield.

There I had to wait for the Boston
Train until 2.05 P.M., spending the
time in the station, reading.

The ride to Boston was hot &
dirty for the passenger car of steel
radiated heat like a metal stove &
cinders came in thru open windows.

Reached Cambridge at 6.30 to find
G. at home again & feeling & appearing
much better.

Cambridge.

Ther Thursday, Aug. 22, 1918 Wea
Prairie Warbler in Garden. Fine

Clear with light S. W. wind. Very warm.

Garden birds. 10 or 12 Robins (mostly spotted-breasted young) & 2 Cedar birds, eating rum cherries; 2 Red-eyed Vireos, one singing & other fairly; an interesting party of migrant Warblers including a Minutella, 2 young ♂♂ Black-throated Greens, a young ♂ Yellow Warbler & a young ♀ Prairie; a Tanager in 9 fl. but having blackish wings & tail; 3 or 4 Grackles; 4 young Orioles; a Swift at wing. There was also an unseen bird that chirped exactly like a young White-thr. Sparrow & twice sang like one but very faintly. Although calling all day long it was not once seen fairly.

The Prairie Warbler, a dainty, slender-bodied little creature, kept mostly low in bushes or tall weeds when it flitted about wagging or tucking its long tail every now & then after the manner of its kind. It was very tame & I watched it long at close range. It was almost devoid of any warbling beneath. I spent much of day in Miss. reading & answering letters. C. walked around garden with me at sunset & after supper sat in hall while E. read aloud to us.

Cambridge-Concord

Ther Friday, Aug. 23, 1918 Wea
H. W. Henshaw arrived. Fine

Clear & oppressively hot with light S. W. wind.

Garden birds, 25+ Robins (mostly spotted-breasted) & a Cedar bird feeding on rum cherries; Red Screech Owl in tall ash nooded incessantly by host of lesser birds including Robins, Orioles (1 ad ♂, 4 juv), a Jay, a Crow, 2 or more Red-eyes, a young ♂ Yellow Warbler, 2 juv ♂ Black-throated Green Warblers, several Grackles & a House Sparrow. Saw an Oven bird on ground in lilacs, a Swift on wing. Whenever the garden hose is playing most of the birds above mentioned assemble about it to bathe in its fine spray.

Yesterday & today I saw a dozen or more Robins, besides Warblers etc., thus employed & greatly enjoying it, evidently.

After spending forenoon in house & Museum & having my hair cut at Harvard Square I started to Concord with G. (2.30-3.35) Henry W. Henshaw arrived (from Plymouth N. H.) at 6 P. M. to spend a week here.

Concord

Ther. Saturday, Aug. 24, 1918 Wea
Dull.

Sun partly, at times wholly, obscured by thin clouds or dense haze. Oppressively hot & humid with light S.W. wind. Sharp but brief thunder shower at 6 P.M.

Birds of almost every kind apparently scarce or wanting. None came to the bird bath despite the intense heat.

I heard 2 Towhees calling in the miller, a Chickadee near house, Crows near off. Saw 3 Robins & a Barn Swallow in wing. A Cat bird in dooryard thickets where the elder berries are now abundant & almost ripe.

Henry & I spent most of day in house, talking, but we strolled down to the Ritchie place in forenoon, finding there a splendid field of yellow corn that promises an abundant harvest. Our eye has been Threshed, yielding about 25 bushels.

Concord

Ther. Sunday, Aug. 25, 1918 Wea
74° max Fair

Mostly sunny but very hazy with little or no wind & such excessive humidity ~~that~~ it seemed much hotter than the mercury would testify.

Bird life in & about our farm is at low ebb & in many places almost none of instant. A Song Sparrow was the only bird of any kind seen in or near the bird bath & during a leisurely stroll through Berry Pasture at sundown Henry & I could find nothing but a Cat bird & a Red-eye. At that hour we saw 7 Swifts, accompanied by 2 Barn Swallows, migrating south in scattered order high above the tall trees. One of the Swallows passed & soon distanced a Swift that seemed doing his best.

Shortly after breakfast Henry & I, with Gilbert, returned to Carlisle to see Dr. Dr. with whom his boys are spent half an hour looking at crops, chickens etc. In late P.M. we called on the Howes, seeing Mrs. & Miss H. & Mr. & Mrs. H.

Concord

Ther 76° max Monday, Aug. 26, 1918 Wea Dull

Partly sunny but mostly cloudy with showers in early a.m. & late P.M. Oppressively warm & humid although our thermometer did not go above 76°.

2 Robins bathing, 4 Catbirds eating elder berries, Crows cawing all day, a Jay seen in Birch Field. These literally all the birds noted by me.

Honey & I spent most of day in house, talking, reading & writing. In late P.M. we walked to Birch Field but hurried back because of an approaching shower. During this walk we met with a single Blue Jay but no other bird of any kind.

Five or six young Green Frogs in pond front of house. Many fine Butterflies about Jinnias & other flowers. Full nocturnal chorus of Tree Toads along road or beyond it in Berry Pasture but none close about house.

Concord, Dr. Cheney decides on second of nature

Ther 73° max. Tuesday, Aug. 27, 1918 Wea Fine

Clear & comparatively cool with dry air & light westerly wind. Altogether a delightfully comfortable day although the temperature ranged almost as high as yesterday.

Besides Catbirds, Red eye & a Towhee I saw or heard near our house a jay, Hummingbird (at Salvia), at Maryland Yellow-throat, 2 Chaffins, a Flicker, 2 unidentified Warblers (heard chirping), a Swift & 4 Night hawks flying straight south high in air, at evening (7 P.M.). Without turning either to right or left the Night hawks kept on until out of sight, flying very swiftly with constant wing beats. This I do not remember ever witnessing before.

Honey returned to Concord in forenoon. I spent it working on lawn & in garden. In P.M. we had a delightful walk to Holden's & Ball's Hills & back via Benson's & Birch Field. Every thing most attractive looking in the calm clear air & bright sunlight. We spent most of evening in the parlor talking of many things.

C. telephoned at 5 P.M. that Dr. Cheney will operate on her right eye.

Concord, Cambridge, Concord

Ther Wednesday, Aug. 28, 1918 Wea
Perfect

Brilliantly clear & refreshingly cool
with fresh N. E. wind. Clouds
gathering at sunset.

Of birds about our farm there were
not many. They included 2 Cat birds,
a brown Indigo bird, a Tanager &
one or more Cedar birds, in the dooryard;
8+ Chaffins in the orchard; a Swift
circling low on wing at eve. & the
same or another heard in breakfast
room floor after dark; a Night hawk
zig-zagging low to southward over
field front of house, in eve twilight.

In the Cambridge Garden I could
find only a couple of Robins.

Spent forenoon working in flower beds
with George. Henry with me part
of time. In P. M. we ventured to
Cambridge via Lexington (1.30-2.30)
& back via Hallowell to Lincoln.

Saw E. K. S. for few minutes. She
reports C. very tired & nervous about
operation on right eye to come Sept. 5.
C. telephoned me of this yesterday afternoon.
I wrote Dr. Gehring of it at once.

Concord, Boston, Cambridge

17 Ther Thursday, Aug. 29, 1918 Wea
H. W. Henshaw departs. Stormy

Cloudy & foggy with north-east wind
and frequent heavy showers.

Henry & I motored to Concord after
an early breakfast and took the 7.55
train on the Fitchburg to Boston.

Reaching there I went directly to our
office where most of my forenoon was
spent. Mr. Brown joined me for half
an hour during which we talked
over Affairs of Geo. B. Kettell Estate.
He has not yet heard of appointment of any
guardian in England for Jefferson interests,
until this is done Estate cannot be settled.

I subscribed for four new shares of
Turner Falls Stock & bought seven
under cover. Lunched with Henry at
Youngs & bade him good bye at 1.45
P. M. in the doorway of 15 State St.
he to take 7.30 train for W., I to
come out to Cambridge for the night.
C. seems in good spirits & not over-tired.
She & I have just spent evening in
hall listening to E's reading a chapter
from David Copperfield - a real treat.

Cambridge - Concord.

Ther Friday, Aug. 30, 1918 Wea
Time

Clear & cool with light variable winds.

In Cambridge Garden a Red-eyed Vireo uttering, listlessly, a few song notes, about 10 a.m., was the only bird of any kind that I could see or hear this forenoon.

At the Concord farm I noted
only a Song Sparrow, a Cat bird,
a Humming bird (white-throated) &
an Olive-backed Thrush (heard
calling at evening in Forsythia
thicket front of house.

Spent part of forenoon in Museum,
writing letters & cheques. Also sat
with C. in her Chamber for about
an hour, seeing her again for coffee
minutes just before starting for
Concord at 2.25 P.M. Gilbert &
went by the usual Arlington Exp.
Bedford route & reached Farm at 3.40
Picked strawberries & strolled about
until supper time.

Concord.

Ther Saturday, Aug. 31, 1918 Wea
Dull

Forenoon cloudy & misty, Sun shining
1-4 P.M. After that a succession of
brief showers. Cool & rather windy all day.

My observation of birds limited to those appearing close about our house, which were as follows: - 2 Cat birds, 3 Song Sparrows and 4 Towhees in or near mullet, rear of bird bath; a white-thr. Hummingbird at Salvia blossoms & driven thence by a big Dragon Fly which he seemed much afraid of; 2 Cedar birds on wing; a brood of young Goldfinches on wing, following a parent bird, with incessant plaintive calling; 4 Robins eating green cherries; Crows cawing far & near.

My forenoon spent in flower garden
with George, digging up & transplanting
various things. Gilbert motored to
Cambridge with strawberries for C. &
a lot of Phlox for Perry to set out in
our garden. I cooked & ate a solitary
dinner. In P.M. finished a jar of
strawberries & another of raspberries.

Concord.

Ther

70° max.

Sunday, Sept. 1, 1918

Wea

Superb.

Brilliantly clear & refreshingly cool with light northerly wind.

Bird life about the Farm at low ebb. Solitary Vireo singing a little in eve. 2 Robins near here yard. In or near Forey thicket front of house 2 Cat birds & 2 Towhees; also an unseen White Throated Sparrow chirping. I heard him there on August 24 & 25. No doubt he is the self-same bird that summured near our Cook pasture. Crows cawing incessantly & a Jay screaming fitfully. A Swallow too far away to be identified passing south by in air.

I spent most of day in house writing letters. Also cut grass of dooryard with lawn mower. In late P. M. paid Gung a visit. Found him working among his incomparable flowers which surpass in beauty & luxuriance all I have seen elsewhere; the young Crows thriving - an amusing bird

Concord.

Ther

Monday, Sept. 2, 1918

Wea

Perfect.

A duplicate of yesterday with almost precisely similar conditions of wind & weather.

Still fewer birds. They included only a Robin, a Maryland Yellow throat, and ^{an} Indigo bird, in our dooryard; two or three unidentified Warblers in top of big elm; Crows cawing; Bobolinks heard calling afar off. During a walk thro Berry Pasture just before sunset I failed to see or hear a bird of any kind. Wild grapes in fair abundance are ripe or ripening there now. Our dooryard flowers are at their very best or nearly so.

The Turnips in the circular bed have now made a brave show.

I spent forenoon mowing lawn, sorting apples & picking strawberries & raspberries which Gilbert took to Cambridge after dinner. Called on the Howes in late P. M. seeing Mr. H. & his daughter.

Concord.

Ther Tuesday, Sept. 3, 1918 Wea
Local birds scarce, almost no migrants. Fine

Clear & cool with light easterly
wind. Clouds gathering towards sunset.

Continued scarcity of birds, both
large & small. I see or hear no
Hawks, Pheasants or Partridges
and few if any Warblers seem to
be passing on migration. For the
nocturnal hissing calls of the last-
named birds I have listened night
after night so nearly in vain that
only one such chirp has been heard
since I came here on August 23.
The few birds appearing daily about
the house are all thus far of
summer resident kinds. In our
woodland there would seem to be
no birds save numerous Crows & a few Jays.

In the woods with my gun soon
after breakfast: later with basket
& botany box picking wild grapes
& digging plants to set out around
bird bath. More grape picking in P.M.

Watering plants at eve. Beeshaule
pulling off. George ploughing.

Concord - Boston - Cambridge

Ther Wednesday, Sept. 4, 1918, Wea
C. returns to Miss Mc Dowell's Hospital. Fine

Clear & warmer with light southerly
wind. Early morning cool & foggy.

Cambridge Garden birds. All I could see
or hear in late P.M. (4-6) were 2 ad ♂♂
Goldfinches, in worn & faded nuptial
plumage, which alighted on a patch of
bare earth in vegetable garden & remained
there several minutes. Percy tells me
he has noticed only a very few birds
about the place of late.

Left Concord by usual 8.05 train.
Sat with Edward Emerson until we
reached Lexington, after that with George
Keggs. Walked fr. North Station thro
Union St. to Father Fish - Ransom's &
there ordered seed wheat & winter betch
to plant at farm. Spent most of day at
office where I saw Arthur & the rest.
Dictated several letters to "beneficiaries"
at Woffboro & Clinton. Home by 4 P.M.
leaving them to receive me. C. had gone in
town by Ford car an hour earlier to Miss
Mc Dowell's private hospital to prepare
for operation to-morrow. Dr. Gilling arrived at
to spend night at our house.

Cambridge - Boston

Ther Thursday, Sept. 5, 1918 Wea
Operation on C's right eye Fine

Clear with light southerly breeze. Warm
thru day, cool at morn & eve.

Garden birds. A general dearth of
all bird life & seeming total absence of
south-bound migrants such as are
usually coming & going numerous at this
season, are quite as marked here as at
Concord. Within our grounds to-day I
could find but one bird, a silent Jay.

After an early (7.30) breakfast Dr. Gehring &
I motored to Boston to be with C.
during operation by Dr. Cheney, assisted by
Dr. Spaulding, on his right eye. It began
at 9.30 & lasted almost an full hour during
most of which I sat reading at the Vendome.
Towards its close I walked up Newbury St.
& met Frank Manning. Dr. Gehring soon
joined us with reassuring news that
everything had gone smoothly & well. He &
I then motored first to the Courthouse & next
to our office where we spent half an hour &
he was introduced to Miss Walker. Then
we went to North Station & luncheon
together. He took 1.15 train for Portland &
I returned by trolley car to Cambridge
Spent P.M. in Museum & Garden, some
in front hall & reading David Copperfield.

Cambridge - Concord

Ther Friday, Sept. 6, 1918 Wea
Fair

Alternating clouds & sunshine,
mostly the latter after 11 A.M.
Rather warm. Light northerly winds.

Cambridge Garden. Heard the whining
call of a Red-eyed Vireo. No other
evidence of any feathered creature
about our place this morning.
October Farm, Concord. 2 Cat birds &
Maryland Yellowthroat in dooryard
shrubbery; a Chipping in bird bath;
several Towhees calling vociferously
near grape vines ripe fruit of which is
already much damaged by them or other
birds; Crows cawing far & near.
This is the full list of all I saw
& heard here to-day.

Silbert & I started for Concord at
10.30 A.M., taking the usual Arlington
Line, Bedford route. Reached Farm
about 11.45. Spent most of P.M.
strolling about near house. Benches &
Geop. finished ploughing grass field.
as was said. C. "had comfortable day"
I hear through telephone this eve.

Concord

Ther

Saturday, Sept. 7, 1918

Wea

Fair

Mostly sunny with light, cool northerly wind.

Marked increase in number & variety of birds. They included some evidently just arrived fr. further north as a flock of 15+ Jays, a Swainson's Thrush & a Wood Pewee. The jays appeared all together at 7.30 a.m. They spent whole day in orchard & oaks behind barn, feasting on sweet corn & acorns by turns & making lots of noise. The Thrush was eating elder berries flying up to pick them fr. the cyms, on wing. There were also other birds in dooryard - a ♂ Downy, an ad ♂ Goldfinch & 3 young, 6 Towhees eating Brighton grapes, 2 Indigo birds, 2 Cat birds, 2 Song Sparrows, 6 Chiffins & a Wood Pewee (in case).

Found a downy flank feather of Great Horned Owl on lawn front of barn, near chicken coop. How a. came there unless shed by living bird I cannot imagine. Little chicks to have heard a big Owl hooting lately by night near barn's eaves heard the last winter.

Spent most of day out of doors, picking grapes & strawberries, bird watching etc.

Concord.

Ther

Sunday, Sept. 8, 1918

Wea

Dull.

Early forenoon sunny; remainder of day cloudy with light rain in late P.M. & eve. Very cool. Light N.E. wind.

At least 20 jays about the farm all day screaming, chuckling, mimicing Buteo leucatus, flitting hither & thither near house & barn, talking acorns from tall oaks & single kernels from sweet corn ears, occasionally bathing. These, without doubt, came from somewhere further north. There seemed to be no other migrants from that quarter, 6 or more Towhees eating grapes, 4 Cat birds & 6 Robins feasting on elder berries, a Carolina Nuthatch (the first noted here this year) a Downy, 3 Song Sparrows, 2 Indigo birds, a Goldfinch & a Chiffin paid out dooryard more or less frequent visits. In woodland I could find nothing besides Crows and Oven bird & a few Chickadees. Others are the Mig. Warblers?

Spent most of forenoon rambling about farm & woodland. In P.M. picked 2 quarts of strawberries & a pint of raspberries. Only one native cow (Ford) & one native cycle platted to-day.

Concord.

Ther Monday, Sept. 9, 1918 Wea
Fine

Clear & cool with light northerly wind.
Heavy rainfall thro. last night.

Little change in bird life hereabouts
from day to day. Besides the noisy
jays, still present in only slightly
lessened numbers, there was one other
bird fr. further north, presumably, a
Red-bellied Nuthatch in red pines near
Ritchie place. I saw this on seeing a
flock of 12 Bluebirds accompanied by
at least 25 Chippies, all streaming
low overhead over fields & woods.

Our dooryard birds included 2 or 3
Cat birds, several Towhees & Chippies,
2 Indigo birds & a Thrasher besides
the jays.

All the young Green Frogs have left pond
in front of house perhaps because of a
large Garter Snake seen there yesterday.

Spent most of forenoon at Ritchie
place with Barbarell & Jeph removing
lumber from shed, most of afternoon
at Farm with Jeph who repaired
rusty house & camp.

Concord. (Farm & Ball's Hill)

Ther Tuesday, Sept. 10, 1918 Wea
Fine

Clear & warm with light, soft, southerly
wind all day followed by bracingly
cool & fresh north-west wind at evening.

Few birds noted about Farm & all
these of summer resident kinds. They
included a Robin, 2 Cat-birds, a ♀
Maryland Yellow-throat, all seen or
heard close about house. The jays
seem to have passed on & the Towhees
no longer trouble the grapes perhaps
because I have partly covered two of
the best-bearing vines with canes.
A brown Marsh Hawk, hunting for
prey, skimmed low over corn field
at Ritchie place while I was there
at 8.30 A.M.

Spent forenoon at Ball's Hill with
Jeph & Gilbert, clearing out a lot of
things from abandoned camp.
While there noted only 3 birds, a
Crow, a Kingfisher & a Hairy Woodpecker.
Worked in flower beds in P.M.
To Ritchie place at evening.

First frost (white) Concord.

Ther Wednesday, Sept. 11, 1918 Wea
38° - 62° - 50. Fine.

Brilliantly clear with light N. to N.E. wind. First hoar frost whitening all our fields at sunrise, doing little or no damage hereabouts but very much to tender crops in other places, especially near Concord & Fitchburg, according to the newspapers.

Renewed scarcity of birds. All I could find during rambles about our farm, to the Kitchie place & thro Berry Pasture were 3 Robins, 3 Catbirds, 2 Song Sparrows, 4 Towhees (at grapes), 4 or 5 Jays, a Purple Finch (heard), a ♂ Downy in locusts front of house, a White bel. Nuthatch in dooryard elm, calling Crows heard far & near.

The general absence of all woodland bird life & total absence of migrant Warblers are marked features of this strange birdless season.

Rambling about in forenoon.

In house most of P.M. Not feeling right all day.

Concord

Ther Thursday, Sept. 12, 1918 Wea
Fair

Mostly sunny but partly cloudy & very heavy, with cool easterly wind but no frost. That of night before last killed all squash vines at Kitchie place, George says. Except for a maple branch here & there in swampy places there is no autumn coloring as yet.

4 Cat birds, 4 Robins & 3 Cedar birds eating elder berries in dooryard. 6 Towhees feasting on our choicest grapes (Moore's early, Brighton, Rogers, Warden) of which they have left scarce a bunch intact. They do not commonly devour them but pick into one side & sink out most of the juice. As if to add insult to injury they have befouled the clusters (with excrement) that I put over tin. bins hoping to safeguard the fruit. Two Night Hawks passing south at eve. No other migrants noted.

Spent forenoon supervising building work of men, afternoon in field with strawberries (4 quarts) & Raspberries (3 quarts).

Mr. & Mrs. Garfield called this evening 8-9

Concord - Cambridge

Ther Friday, Sept. 13, 1918 Wea
Stormy

Heavy N. E. storm with violent wind and flood of rain in forenoon followed by dark, foggy, drizzling afternoon.

Birds in Cambridge garden. 12+ Robins eating ripe cherries, a Flicker, 2 unidentified Warblers whose sharp, metallic chirping inclined me to think they must be Tennessees, an unseen Water Thrush identified solely by its characteristic. Staccato alarm note.

Gilbert & I left the farm at 10.30 & reached Cambridge about 11.45, bringing down a fine lot of fresh strawberries & raspberries some of which were later taken in town by Percy for C. & for Arthur Estabrook while I took down to 80 Sparks St. where I had a pleasant chat with Mary & George Deane. Mrs. Cobb came to see with E. R. S. & me in the den. After seeing Mrs. Cobb home I enjoyed a chapter from David Copperfield read to me by E. in front hall.

Cambridge - Concord

18 Ther Saturday, Sept. 14, 1918 Wea
Fine

Sunny & just seasonably warm - or cool - with light southerly wind.

Birds in Cambridge Garden. Half a dozen Robins & a Cedar bird, eating ripe cherries; Flicker heard calling; a juv. Black-poll Warbler well seen at close range in lilacs when it flew into juniper, joining 2 or 3 others with similar soft, chirping calls, & perhaps of same species, although the only one I got sight of for an instant looked more like an ad. ♂ Bay. Breasted, showing blackish wings & tail and I thought some chestnut on flanks.

Birds at October Farm, Concord. Towhees, Cat birds & a Swainson's Thrush in dooryard shrubbery; 15+ Chaffins & an Indigo bird in mullet; Jays & Crows.

Spent part of forenoon in Garden. To West. Camp. Left at 11. Henshaw gone to Boston. Saw only Nelson, Miss Anthony de Got. Bird Register to use in writing Report. Dined with E. R. S. in den. Motored to Concord 2-3.15 along usual Arlington, Prof., Bedford route. 20 cars thronged with cars many filled with soldiers.

Concord

Ther Sunday, Sept. 15, 1918 Wea
7 in

Clear, with light westerly wind.
Warm through most of forenoon
& afternoon when the flying notes
of Cicadas came frequently to my ears.

Removal scarcity of birds. Several
Robins, at least 6 Catbirds, perhaps
as many Towhees, rather more
Chippies & two or three Song Sparrows
frequented the dooryard & shrubbery all
day. Besides these I noted only
a Redstart in a pl. with several
Chickadees, in the trees; a White-
Throated Hummer at the flower bed;
a Flicker, several Crows & Jays.
That is surely a meagre list for
such a perfect day at what
should be the height of Warbler
migration time here. Apparently
there are almost no Warblers passing.
I neither hear them by night or see
them by day, at least.

Spent much of day rambling about
a part in dense woods to the south. Picked
a lot of raspberries & strawberries.

Concord.

Ther Monday, Sept. 16, 1918 Wea
A few migrant Warblers passing. Fair

Partly sunny, mostly cloudy. Warm
southerly wind.

Usual assemblage of Cat birds, Towhees,
Chippies & Song Sparrows in dooryard
shrubbery. With them a ♂ Goldfinch in
unchanged summer livery. Cedar bird
at Ritchie place. Two Warblers that
chirped like Black-throats but kept so
high in trees, among dense foliage, that
I could not identify them, appeared
near old barn this morning. At
10 o'clock last night I heard a
migrating Warbler of some kind.
I flushed 2 Partridges shortly after
sunset, one near Barnett spring,
other in Cedar Park.

Gray Squirrels scarce. Shot at one
last evening in hillory, foot of lawn, &
saw another to night near Ritchie place.
They have done little damage to our corn.
Red Squirrels rather numerous & widespread.
Only a few Chipmunks & these close
about the house.

Worked one Mice. Report in A. M.
Smith Dexter came to dinner at 12.30 &
stayed until 3.30. Called at the house
with 2 ash barrels at 6 P. M. & walked thence
to Toplis camp & back then through fields.

Concord.

Ther Tuesday, Sept. 17, 1918 Wea
Fair

Thin cloudy; oppressively warm & humid with light southerly wind. Brief shower & distant thunder, late P.M.

A Robin in lawn; several Cat birds, Chipping, Towhees, a Song Sparrow, a Goldfinch & a Downy in our dooryard; Bluebirds heard calling & a flock of 7 Starlings seen on wing; at least 15 Jays scattered all over the place & very noisy; Crows cawing.

Only northern breeding bird a White Throated Sparrow seen in Forsythia bushes & he, of course, may well have been the self same as the one that hummed here.

Spent entire day out of doors. In forenoon picked apples, in afternoon strawberries. Also helped Barbant put in a cement foundation to back wall of pigeon pen to keep out rats they having killed three of our Bantam chickens there of late. Left cutting down mulberry tree & others. Geese went off on a spree last Friday & has not yet returned.

Concord.

Ther Wednesday, Sept. 18, 1918 Wea
Stormy

Dark cloudy with strong, chill N. E. wind & almost incessant heavy rainfall. Clouds breaking & blue sky showing, at sunset.

Because of bad weather I did not get far afield all day. Near the house were the usual dooryard birds - Cat birds, Towhees & a host of Chipping ceaselessly calling & flitting to & fro save at one time in forenoon when a ♀ Sharp-shinned Hawk suddenly appeared over field in front of house & glided like a shadow into our larger dooryard elm where she remained perched erect & motionless for several minutes evidently watching for prey but sighting none for all the little birds kept silent & close by until after her departure. Watching her thru my opera glass & our east window I saw plainly that she was the mature. Worked on Museum report in forenoon. Supervising Barbant who was sheathing lower attic wall with thin oak. Also picked some raspberries.

Concord.

Ther Thursday, Sept. 19, 1918 Wea
Fine

Early morn. densely cloudy & foggy.
After 10 a.m. bright sunshine, soft
southerly wind & almost midsummer
warmth - especially enjoyed by
Butterflies & Dragonflies innumerable
floating & skimming hither & thither
over flower beds & field. One Cicada
heard.

Bird life scantier than ever. Jays,
Chippies & Cat birds the only plentiful
species. A single Towhee & Indigo bird,
3 Cedar birds an unidentified Warbler
that chirped like *D. virens* & a few
Crows. complete the list of birds
noted about the farm. There was
one other - a Flicker that had
gone to roost within our old barn
when I startled him at evening.

Spent most of day working
on Museum report - a trifling
task yet one difficult for me to
accomplish satisfactorily. Also picked
strawberries & raspberries. Good news
from S. She is up again & yesterday
looked across street & at the garden.

Concord

Ther Friday, Sept. 20, 1918 Wea
Stormy

Dark cloudy & very misty for most part
but with occasional brief gleams of
sunshine between drenching showers
which followed one another closely
driving upon a strong, warm S.W. wind.
The total rainfall must have been
considerable & everything is water soaked.

Almost no birds save Cat birds,
Chippies, Towhees, Jays & Crows, all
of which were to be seen or heard
more or less numerously not far
from the house. Besides these species
I noted only one other, the Hummingbird
of which a white-throated example
came to our flower beds, visiting
especially Salvia & Nasturtium.

Poison ivy beginning to show red
leaves & one maple across road wholly
afire with that color.

Two Tree Toads in lightning blasted
oak behind barn cut down by Zeph
yesterday. One remained in hole (50 feet
up) & clung to it when tree fell. He was
still in it this morning & quite unharmed.
Spent most of day in house working
on Villard's Rep. & finishing it.

Concord.

Ther Saturday, Sept. 21, 1918 Wea
Fair

Forenoon dark cloudy with several light showers. Afternoon brilliantly clear with fresh, cool N.W. wind. Raining very heavily all last night.

More birds in evidence but only three obviously from further north, viz a Junco, a Black Poll & a Thrush that looked like a Swainson's but was not certainly recognized as such. There was one other and that a splendid Osprey soaring in narrow circles high over Pulpit Rock woods, all the while drifting southward before northerly wind. Thus passing he was watched by me for several minutes, in bright sunlight, at 3.30 P.M. A Hummer at the Salviae. One Robin one Cowbird, Cat birds, Towhees, Chipping Jays as for a week or more past. Burbank & I spent forenoon in house shooting game & flooring back entry. Jeff & I burned brush in P.M. George returned last night from a spree begun a week ago yesterday.

Concord

Ther Sunday, Sept. 22, 1918 Wea
Bright inroad of migrant warblers. Fine

Brilliantly clear with warm sun & cool N.W. wind. Hard frost last night in neighboring places but none here. (Hodgman says water frozen at his farm)

Marked increase in number & variety of small birds including four evidently just arrived from further north as a Swainson's Thrush, Townsend Warbler, Water Thrush, 3 Black Polls, 2 Redstarts (one ♂ ad.), 2 Juncos. Most of these were in Cedar Park. One dooryard frequented by the usual mob of Cat birds, Chipping & Goldfinches with one Song Sparrow. No Towhees there but there heard elsewhere in woodland. Started 3 Partridges, one in Cedar Park, another near Pulpit Rock, third in Prescott Pines. Saw ♂ Cooper's Hawk flying S. low & swiftly with incessant long beats. Few Jays. Spent entire forenoon in woods, visiting Berry Pasture, the Run, Bird Field & Prescott pines. In P.M. wrote letters, peeled strawberries (about 3 quarts), & visited Retina place.

C. called me by tel. to say she might be out of town for several days.

Concord

Ther Monday, Sept. 23, 1918 Wea
Fine

Early morn. cloudy & cool. Remainder of day sunny & warm with light southerly breeze.

Not many birds. Tanagers calling in lawn, Nuthatch in elm behind house, Cat birds & Towhees in dooryard shrubbery, two or three unseen & unidentified migrant Warblers in run. A few Crows & Jays. White-th. Sparrows - at least 2. Accompanying bird. or Salvia. & Sharp-shin Hawk soaring & gliding overhead, high in air over orchard.

Spent entire day out of doors. - most of it in run with Zeph cutting out a new wood road leading to red pine grove. We burned our brush in the old swamp cellar hole. Two Spotted Tortoises came to light therein & remained there, too, as far away from the fire as they could get. We removed one but he soon crawled back.

Concord (Farm & Ball's Hill)

Great Blue Heron & White Heron. Ther Tuesday, Sept. 24, 1918 Wea
Mixed
Cabins again broken into. Migrant Warblers & Thrushes in some force
light rain falling thru much of last night & this forenoon. Afternoon sunny & warm with light W. wind.

Migrant Warblers in small flocks scattered in various places. Unfortunately I did not have opportunity to identify any of them positively. Most of them seemed to be Black-polls, a few D. virens. This I inferred from their chirping calls.

While at Ball's Hill I saw 3 Thrushes feeding together on berries of bull birch. Two of these birds were certainly Swainsons, the third presumably the same.

A young Great Blue Heron flew close past the cabin just as we reached it. Several hours later we saw him alight in marsh across river & rowed past him within 80 yds. A Kingfisher perched over river by boat. Landing a Great Yellow legs here, an adult ♀ B. leucotis.

To Ball's Hill for day at 9 a. m. taking Burbot, Zeph, George & Gilbert. River thieves have again broken into the cabins by smashing the shutters on the log cabin, my sleeping room & the chestnut cabin. Only a few trifles missing for few were left there. We crossed the river & found stone boat house intact. Walked home at 5 P. M.

Concord.

Ther Wednesday, Sept. 25, 1918 Wea

Heavy, yet not damaging, frost over night. Delightfully sunny, serene & windless forenoon with warm sunshine.

Clouds gathering & chill N.E. wind rising in afternoon. Butterflies & Dragonflies out in force during midday hours.

Towhees, Cat birds, Chippies, Goldfinches 2 Robins, Thrush, & Downy Woodpecker, an Indigo bird & a Red bellied Nuthatch. Spent most of day in or near our dooryard. In neighboring woodlands I saw or heard only a few Crows & Jays & a Brown Creeper. Apparently there were no migrant Warblers or Thrushes anywhere about the place.

George & I spent most of forenoon setting out ferns & mountain Laurel brought from Ball's Hill yesterday. In afternoon we moved a lot of garden plants to new places. Jeph burning brush & splitting wood of big lightning shattered oak near barn. Burbank ploughing & harrowing.

Concord

Ther Thursday, Sept. 26, 1918 Wea Stormy

North-east rain storm beginning before daybreak, lasting through whole day, accompanied by very heavy rainfall, flooding low places everywhere.

No south bound migrants noted unless Jays may be so classed. They so swarmed everywhere about the place that I must have seen about 20 of them.

Our dooryard seemed alive with birds darting hither & thither across the lawn from one belt of shrubbery to another & filling the air with their calls. One could scarcely look anywhere without seeing one or more of them, one wing or feather.

Yet they probably were the self-same birds here for the past month or so & including 5 or 6 Cat-birds, about as many Towhees, rather more Chippies, several Goldfinches, 3 or 4 Robins & at least 1 Indigo Bird.

I spent forenoon in house, writing letters & directing Carpenter work of Burbank & Jeph. With latter I went to Birch Field in late P. M. to set fire to the big brush heap there. It burned scallily so we left it.

Concord

Ther

Friday, Sept. 27, 1918

Wear
fine

Brilliant sunshine all day from a sky sometimes cloudless but mostly half filled with scattered clouds driving fast by a strong east wind. Rather cool but not too much so for Butterflies of several kinds to be out in considerable numbers especially about our *Junos* & asters. These & all other flowers as yet unharmed by frost & very glorious to behold. Never before at this season & place have they made a better show, especially throughout the old lawn which is simply ablaze with color, partly contributed by autumn foliage already brilliant when *negundo* & *ivy* abound.

Although out of doors all day I noted few birds & these mostly close about our house where the usual Cat-birds & Towhees were much in evidence.

In Birch Field I saw only a small party of Chickadees & downy Woodpeckers & Jays. We burnt the big brush pile there giving all day to it. It burned very satisfactorily & not too fiercely.

Concord (Farm & Ball's Hill.)

Ther

Saturday, Sept. 28, 1918

Wear
fine

A day of cloudless skies, strong southerly wind and almost summer warmth which brought out Butterflies and dragon flies of various kinds in even greater numbers than yesterday. About noon I heard a Cicada's frying notes - a rather late date for them to be noted, if I remember rightly.

Autumn coloring now widespread and brilliant in many lowland places especially about edge of the river meadows.

Not many birds & no northern derived ones save a young ♂ Sharpshooter (in Howie's orchard), 2 White Thr. Sparrows & a Black poll. 4 Robins, 1 Cat bird, 2 Towhees, several Chipping & a Song Sparrow, in our dooryard scattered Jays & Crows.

Silbert Teph & I went to Ball's Hill this morning & spent forenoon there, putting bottled iron plates on cabin doors. River meadows deeply flooded.

In P. M. picked Waltham apples & struthed about Farm

Concord

Ther

Sunday, Sept. 29, 1918

Wea
Perfect.

Heavenly sort of Indian summer-like day, the cloudless sky a tender blue, the air soft & warm, a moderate southerly wind blowing steadily.

Red maples & poison ivy ablaze with autumnal coloring, high blueberry bushes already deep wine red. This is evidently about the height of the first stage of autumn's glory.

Local breeding birds of several kinds still lingering rather numerous about our dooryard. Of migrants from further north I saw three at 8 a.m.

4. Black poll Warblers in a locust, at evening a Swainson's Thrush in ^{also heard flight call & flicker.} bird bath. Our woodlands seemed utterly deserted save by Crows & Jays.

A single Rusty Grackle in Retchin Cornfield

Spent much of day out of doors visiting Retchin place (twice), Berry Pasture & Birch Field. Duren came down in forenoon. We had a long talk & he gave me much friendly & valuable advice in referring matters

Concord

19

Ther

Monday, Sept. 30, 1918

Wea
Perfect.

A near duplicate of yesterday as respected wind & weather but note quite so warm.

Dooryard birds mostly Chaffins (about a dozen) & White-throats (some 5 or 6). Only one Robin, Cat bird & Song Sparrow; apparently no Towhees. A Nuthatch in elm behind house, a Flicker & a young ♀ Sapsucker in elms over lane. Afterwards I saw the Sapsucker in orchard trees. He (or she) kept up a frequent low tapping.

Shortly after breakfast time I saw a flock of about 15 Rusty Grackles flying low towards our patch in Berry Pasture and somewhere later a ♀ Pigeon Hawk flying swiftly, with feathers wing beats, over field in front of house, just above tops of trees & straight on S. W.

One Warbler (probably Black-poll) heard

Spent day picking up Wealthy apples, with Gilbert's help, from trees behind house. It yielded about 8 bushels of the finest fruit it has ever borne. George & Brookbank began picking Baldwins

Concord

Ther Tuesday, Oct. 1, 1918 Wea
Very many birds appear. Perfect.

Cloudless, absolutely windless, very warm, delightfully serene especially when sunset was near at hand. Maple coloring at its very best - a truly glorious show just now.

Our dooryard swarming all day with little birds. They included a Robin, Gray-cheked Thrush (large, gray tawny bird), at least 4 Cat Birds (all in bird bath together at noon), as many Towhees, a score or so of Chaffins, not less than 15 White Thr. Sparrows, about a dozen Juncos, an ad. ♂ Song Sparrow (he sang twice loud & most sweetly), a juv ♂ Scarb. Tanager, a Downy in elms by house, a Sapsucker in tree over lawn, one Black-bell, a juv ♂ Solitary Vireo, 5 Rusty Grackles & a Sharp-shin on wing, Pheasant in garden.

Spent most of day near house creating light work on wiring for raspberry bushes & planting for pond. Buried & Gump picking apples. Gilbert returned to Cambridge.

Concord

Ther Wednesday, Oct. 2, 1918 Wea
Fair

Sunny thro most of day but cloudy at noon & eve with light rain at both hours. Retire warm. Light westerly wind.

Maple foliage a trifle past its autumnal prime but still very glorious to behold - especially in our Berry Pasture.

No plant life anywhere about our farm has suffered any injury as yet from frost.

Birds in less numbers & variety than yesterday but still plentiful enough particularly Cat-birds, Towhees, Chaffins & White-throats. Sapsucker in tree. Solitary Vireo in orchard; also a Ruby-crown Kinglet (heard chattering).

Not many Jays. Local resident Crows very noisy. Pheasant calling. Fish Hawk at 3 P.M. over Berry Pas. at height so great he looked no bigger than a Pigeon, soaring on set wings in narrow circles & drifting off S.W. Fresh Crow tracks in ploughed land near well house.

Spent entire day picking Weatling apples, getting about 5 bushels. Gump & Burbank picked Baldwins etc. Telfe on the ground & hands, several.

Concord

Ther 70°, 60° Thursday, Oct. 3, 1918 Wea Fair
Autumn coloring

Mostly sunny, partly thin cloudy.
Very warm & humid. Light W. wind.
Hylas calling, Tree crickets chirping
listlessly towards evening.

Of dooryard birds I noted 2 Catbirds,
1 Robin, 2 Towhees, about 15 White thr.
Sparrows, 1 Song Sparrow, 3 Goldfinches,
a Tanager & a Sapsucker. Also
heard occasional chips presumably
uttered by one or more Black-polls.
A few Juncos flushed in windy places.
A Fish Hawk passed at 8 a.m.,
flying straight & fast S.W., not
more than 50 ft. above the taller trees.
Heard a Pheasant crow once - 4 p.m.

John & George renewing worn out
planting of entrance to Kitchin barn.
I was with them much of day.
Also examined about enjoying the
splendid show of autumn coloring.
It now includes the hickories, sumacs
hazel etc as well as maples & birch.
Rarely if ever have I seen it more brilliant here.

Concord

Ther 38°, 64° Friday, Oct. 4, 1918 Wea Fair

Brilliantly clear with brisk, dry
westerly wind. Rather warm this day.
Hose frost at sunrise.

Cat birds apparently gone; also Chipping.
Other dooryard birds nearly same in
numbers & variety as for several days past.
They included a Robin, Thrasher (in
brush at rear of old barn), a Song Sparrow,
about 15 White throats, 2 Towhees (a
third at Kitchin place), one Indigo bird,
a. Silver Phoebe (in elms, also near
barn cellar). Two Song Sparrows singing
briskly at Kitchin place. Swainson's
Thrasher in Cedar Park (will sing & call
note heard). Red-bellied Nuthatch
heard in trees over road near big elms.

Red Squirrel abundant all over
ten place. 4 or 5 living in wood pile
close to house. A good many Chipmunks
very few Grays. One from cornfield
at Kitchin place seems not to be much
troubled by anything as yet.
Spent forenoon at Kitchin place where
we finished grading driveway to barn;
afternoon in Barry Pasture cutting
brush with Japh.

Concord.

Ther Saturday, Oct. 5, 1918 Wea
Dull

Cloudy & rather warm with high southerly wind. presaging rain of which, however, only a few scattered drops fell.

Birds comparatively scarce again. 8 or 10 White-throats, 2 or 3 Towhees, a Song Sparrow & a Downy were all I noticed in or near our dooryard. Elsewhere I saw a few Crows, a big Fish Hawk (flying straight S.W. over Cedar Park & River just above the latter tree tops at 8 a.m.) a flock of about 30 Blackbirds (which looked & flew like Rusties but uttered no call notes within my hearing as they passed low & swiftly down south over Rutkin place), a Partridge flushed near Puffer Rock.

Autumn coloring still glorious with few trees bare as yet. It now includes hickories, hawthorn & sumacs all at their very best.

Spent forenoon in or near house where Burbank & I were carpentering. I & I went to Rutkin place & Birch Field in P.M.

Concord

Ther Sunday, Oct. 6, 1918 Wea
72° max. Fair

Early morning cloudy with light rain falling. Brief thunder shower at 4 P.M. Remainder of day sunny & very warm with moderate southerly wind.

Autumn foliage still glorious but foliage of red maples & gray birches falling fast throwing the ground thickly with crimson & golden leaves. Old gold of hickories now at its best.

Birds plentiful again. In our dooryard a Robin, a Cat-bird, at least 3 Towhees & about 15 White-throats, 6+ Chippies, as many Juncos, one Song Sparrow; at Rutkin place a dozen or more Chippies & Juncos; in Green Field about 20 Juncos & 2 Field Sparrows; in Birch Field a Hermit Thrush (chattering among young pines) & a mixed flock of 5 Chickadees, one Ruby-crown, a Palm Warbler & about 10 Black-polls, all feeding together at sunset in gray birches.

Here, also, I saw 2 Great Blue Herons pass over high in air S.W. one following other several minutes later both talking exactly same way & heaving boldly while within my hearing. Spent most of forenoon in house writing letters. To Birch & Green Fields in late P.M. Dressed again, down in early P.M. to get a lot of wood for coffee.

Concord

Ther

Monday, Oct. 7, 1918

Wea
Fine

Early morning cloudy. Remainder of day brilliantly clear with warm sunshine & cool north-east wind.

Maples & birches shedding fast, some already bare. Hickories still solidly draped in old gold foliage, Oaks in unchanged summer green.

Not many birds about the farm or its bordering woodland. A Cat bird, 2 Towhees, a Song Sparrow & several White-throats visited our dooryard pool to bathe. A Phoebe came to the locust tree by dining room window & I heard another at Retchin place. Juncos to the number of a dozen or so rose from a bed of millet in the orchard. I heard one Jay & saw a few Crows. About 3 Black-jacks seen or heard. One Yellow-rump in Cedar Park.

Spent entire day out of doors about farm & Retchin place. Barbant & George picking apples, Zeph cutting down big oaks at rear of barn.

Concord

Ther

Tuesday, Oct. 8, 1918

Wea
Glorious

32°, 62°

Absolutely cloudless skies & pellucid air, warm sunshine and light, cool easterly wind combined to make a perfect day of mid-October type. Everything white with hoar frost at daybreak but it did little damage to our flowers etc.

Comparatively few birds. 2 Towhees & half a dozen White-throats visited the bathing pool to have a dip. Several Juncos in the orchard. A Downy near house. 3 or 4 Yellow-rumps & as many Black-jacks feeding in gray birch tops in Birch Field. 2 Jays plucking Chestnuts near spring.

Crows more numerous than usual & extremely noisy making the still air resound with loud cawing. At Birch Field I heard the bird that says Ca-Ca. Titlarks & Resty Blackbirds heard their own song.

Spent forenoon in Birch Field and neighboring woodland enjoying the perfect weather & glorious autumn coloring, marking trees to be cut etc. In P.M. I was similarly employed with Zeph, near house.

Concord

Ther 32° Wednesday, Oct. 9, 1918 Wea Perfect.

Weather breeder type of simply perfect mid autumn day, cloudless, almost wholly windless, delightfully warm in all sunny places, a trifle chilly in deeply shaded ones.

Heavy frost last night killing all tender vegetation about the farm. I saw some of the flowers about house which were safeguarded by two jets of hose playing all night & by a fire in the open shed. Thus I kept unharmed our handsome Salvia, the morning glories & a few Fuchsias.

Of birds there were very few to be found anywhere. Our dooryard was visited by only 2 Towhees several White-throats & a Hairy Woodpecker. In Back Field I heard only two or three Yellow-rumps. At Balls Hill only one or two Jays. Crows about were somewhat more numerous than usual & very noisy.

Leah & I spent forenoon at Balls Hill getting a load of firewood there etc.

In P.M. Burbanks worked with me about his building. Haber Hawk & Mrs. H. called in late P.M.

Concord

Ther 70° Thursday, Oct. 10, 1918 Wea Perfect

Another perfect Indian summer day with little or no wind to offset the warm sunshine. The tender blue sky unbroken by the smallest cloud. Butterflies by scores hovering about asters & other flowers, the plaintive calls of Bluebirds & the vociferous cawing of Crows coming at frequent intervals from near or far.

There were not many birds. About our farm I saw 3 Robins (in orchard) & heard one Towhee. Besides Crows & Jays. While crossing the meadow land opposite our house at 2 P.M. I heard the full song of a Grass Finch given twice & very pleasing it was to listen to thus unexpectedly. At the Ritchie place I flushed 6 Chipping & the same number of Juncos from lonely places which also harbored 2 or 3 Song Sparrows and saw 3 Bluebirds one of them on a bird box. Heard a Ruby crown, 2 or 3 Black jacks & a calling Pheasant (far off).

Spent entire day out of doors. In A.M. George & I burned brush in well known meadow. In P.M. I scambled about, picked corn, seeds etc.

Concord

Ther
70°

Friday, Oct. 11, 1918

Wea
Delightful.

Continued Indian summer weather.

Sky somewhat obscured by fleecy clouds & haze through which the sun shone dimly at times but ever very warmly. Very soft & warm the light S. W. wind, also. Altogether a pleasantly sort of mid autumn day.

Not much autumnal coloring now.
Its earlier stage has passed, most of
the maples & many of the birches
having shed all their leaves. Elm
& Hickory foliage of rich golden tints
still remains, however.

The bird bath in our dooryard was visited towards noon by a Robin, a Junco, a White Throat, 2 Towhees & 5 Chipping.

In Cedar Park at least 15 Robins eating
barberries and one Yellow Bump flitting
about with two Chickadees, Several Crows

▷ Jumps heard. One white Pigeon, liberated yesterday, would not come out this afternoon presumably because a Hawk had taken one whose feathers I threw in Canon near the pond.

Spent day out of doors. Men digging
potatoes at Ritchie place. Tef L. & I made
logs. Biggi came to arrange about trading
beams to me. - a fine Italian youth.

Boncardi.

Ther
74° at

Saturday, Oct. 12, 1918

Wear Dull

Dark cloudy with warm southerly wind
which brought light rain in late P.M.

A few maples still well draped in brilliant foliage & hickories still towers of soft old-gold leafage splended to behold.

Increased Number & variety of small birds.
Several Robins, 5 White-throats, 10 or 12
Chippies, as many Juncos, a Nuthatch of
both species, a Pine Finch & 2 or 3 Yellow-
rumps frequenting trees or shrubbery or
sward patches, close about our house.

The Yellow crupps were elsewhere & indeed almost everywhere occurring by twos or threes, or singly. In oaks overlooking road to Benson's I saw 4 Black-polls near together. 4 Partridges rose at our approach edge of run near the time-honored but now deserted drumming wall. Many Crows clanging far & near.

Spent day out of door about. Farmer
✓ Ritchie place, Improving small of new.
Biggi came with motor truck & hauled all
my oak & pine logs to mill in 4 loads.
Harry Spilner came on bicycle at noon & 2

refuse time, yet over in time because his critic has just had to
Sparade gegen & over mind Prussia after it. We talk's another through down.

Concord.

Ther Sunday, Oct. 13, 1918 Wea
74° at 1 P. M., 70° at sunset. Fine

Early morn cloudy & somewhat foggy.
Remainder of day sunny & almost
oppressively warm & humid with strong
S. W. wind shifting to W. & cooler, after
sunset. Hickories shedding withered leaves.

Heavy flight of Juncos, 25+ in orchard &
many scattered everywhere. They came
trooping through dooryard with 15+ Robins.
& a few White throats. Both species &
one ♂ Towhee bathed freely. An
unusual visitor to the dooryard was a
Partridge flushed from lilacs at E. end
near lane, 11 A.M. At Pine Ridge I
saw Juncos & Yellow Rumps & a Brown
 Creeper & heard a Ruby-crown singing
very sweetly about noon. At least 2
Song Sparrows were seen in or near
our dooryard. A few Jays still
linger. They & the Crows seem chiefly
interested in getting Chestnuts now.

Spent most of day in house, writing
letters, but went with Sept to Davis Hill
& Pine Ridge in late forenoon to look
at cold wood & place for cutting more.

Concord

Ther Monday, Oct. 14, 1918 Wea
Fine

Brilliantly clear with fresh, cool N. W.
wind but pleasantly warm sunshine.
Air filled at times with falling leaves.

Rather many birds, mostly Juncos
with less numerous Robins, Yellow Rumps
& Peabody birds. One Blackpoll heard.
George reports seeing at sunset, in How's
woods, "an immense flock of Crows
- thousands", he thought. They must have
been migrants just in from further
north. A Phoebe spent all day in our
dooryard where he seemed to be
catching many flying insects.

While at the rear of our Bungalow
I looked off over Lawrence's broad
grass fields eastward & presently saw
an adult ♂ Marsh Hawk quartering
things close to the ground. While doing so
he flushed scores of little birds that looked
in the distance like Sparrows (perhaps
Juncos) but kept steadily on his way taking
no apparent heed of any of them.

I spent entire day out of doors with
the man working close about house &
barn, taking down pretty fences,
pruning trees & clearing up rubbish. Also
picked a lot of seed corn.

Concord

Ther 32°, 60° Tuesday, Oct. 15, 1918 Wea Fair

Brilliantly clear with keen, dry N. W. wind. Water froze over night, a few Butterflies out at noon. Typical cool October day.

30+ Juncos in miller, 5 Robins in dooryard & 10 in Hove pasture, Hermit Thrush in tree, several Yellow-rumps, 2 Black-bills, & Pheasant in field front of house, 25+ Crows, doubtless migrants, circling about Holden Hill, young Song Sparrow singing brokenly in lane, several Jays in Ritchie cornfield & elsewhere. Deciduous trees now largely bare. Few saw oaks retain green foliage. Grass fields still emerald green & spangled with yellow hawkweed with yellow Butterflies about it. Most of our cultivated flowers frosted but some dahlias, Zinnia & Salvia near house still safe.

Spent entire day out of doors, working near house in forenoon, in afternoon going to Pine Hill where Biggs was working wood to take to Cambridge. In trying to reach house at 5:30 P.M. he missed his truck & left most of afternoon there.

Concord.

20 Ther Wednesday, Oct. 16, 1918 Wea Fair

Light rain before daybreak. Early morning cloudy & misty. After that sunny, calm & very warm all day. Sunset hour of heavenly serenity with Robins calling sweetly in the orchard & Sparrows among ripening millet.

The most interesting bird noted to-day was a Hairy Woodpecker. His tic notes came to my ears at 9 A.M. from shrubbery near the poultry yard. At 5 P.M. I started him from a flower bed at east end of house whenever he flew low over the lawn. Scattered Robins flitting to & fro all day. A dozen or more Juncos seen & at least one White-throat heard. A Doves & a Nuthatch in our elms. Not many Crows & no Jays.

Spent day working with all three men about farm building, clearing up rubbish, repairing poultry fences etc. Regional Hairy Woodpecker called in P.M. for a bushel of greening apples & paid me 1.50 for them.

Concord.

Ther Thursday, Oct. 17, 1918 Wea
Fair

Weather very like that of yesterday, a cloudy, foggy morning being followed by a sunny, warm day with light southerly wind. There was a little hoar frost at day break.

Only one Butterfly - a Hunter's - about one flower although near the house they continue to make a brilliant show. We are still eating excellent green corn & red tomatoes fresh from the garden daily and there are still plenty of very good & ripe grapes on two or three vines. The woods now bear a wintry aspect in many places.

Not much bird life about the farm. In dooryard a Towhee, a White-throat a dozen or more juncos & half a dozen Robins (one singing pleasantly, if but listlessly, at 4 P.M.). A few Crows, few Jays.

Brown came this morning to prune apple trees. I was with him most of day. Also worked with Bealbank clearing out barn etc. Jeph & George hauled six cords wood from Davis to Pine Hill.

Concord.

Ther Friday, Oct. 18, 1918 Wea
Fair

Slight rain before daybreak. Forenoon cloudy, afternoon sunny. Chill N.E. wind blowing through day. Clear & serene sunset.

Hordes of little birds about the farm. They included at least 50 juncos, about 15 Robins, 4 or 5 White-throated Sparrows, 2 Chipping, a Song Sparrow, a Ruby-crowned Kinglet, a Goldfinch. Nearly all these paid frequent visits to the dooryard and many to its pool while, at times, was literally crowded with bathing birds. One of the Robins sang a little in subdued tones. So also did the Kinglet & Song Sparrow.

Of larger birds I saw only about a dozen Crows & an adult ♂ Marsh Hawk winging his way northward at 4 P.M. high above our orchard & barn. At same hour 6 Hawks passed in same way.

Spent most of forenoon in house working & supervising carpenter work by Bealbank. Brown & George busy out of doors. Jeph did not appear until after dinner & did not go to work for an hour or more later.

Concord.

Ther 30°, 62° Saturday, Oct. 19, 1918 Wea Fine

Brilliantly clear & almost perfectly windless. Hard black frost last night. Our salvias & dahlias preserved from it by spraying some along lawn wall & warming others in front of shed by an open wood fire within.

Two Yellow Butterflies & lots of Grasshoppers out there mid day hours.

Downy birds. About a dozen Robins, 40 Juncos & one or two White-throats. Downy W. in chess. Goldfinch heard.

2 Red wings flying high S. & S. Bluebirds high N. at 8 A.M. 50+ Brown Grackles flying high N. & E. at 5 P.M. 75+ Crows cawing low about Holden Hill. 2 or 3 Jays & a cock Pheasant in Ritchie corn field. Grass Finch gave full song twice at 2 P.M. in field just across road from Ritchie place.

Spent whole day at Ritchie place picking yellow corn with Ben Aboul, Zeph & Gilbert. Worked as hard as any of them. We got 34 bushels. Mrs. Melvin called at 4.30 but I was too tired to see her.

Concord.

Ther 30°, 54° Sunday, Oct. 20, 1918 Wea Fair

Pale sunlight filtering through thin veil of fleecy clouds. They became denser as day wore on & brought light rain soon after dark. Violent S.W. wind blowing after 9 A.M. Hard frost last night. We saved dahlias & salvias again by use of fire & open fire but everything else perished. Some two ripe strawberries were ruined.

Not many birds seen Juncos Robins & Crows. A flock of last named sparrows contained 25 or more. 2 Tame & Shyish Black-jacks glancing Aptidæ industriously from golden foliage of gray birches in Cedar Park. 4 Yellow-rumps similarly employed in Birch Field.

Spent most of day in house writing cheques for bills. Walked to Ritchie place in early forenoon & to Birch Field in late P.M. also picked half a bushel of seed corn.

Yesterday I subscribed (through Octobrook & Co) for \$5.600 for Liberty Bonds. (Credited to Cambridge) & last week to \$400. in Concord.

Concord.

Ther

Monday, Oct. 21, 1918

Wea

Brilliantly clear & comfortably warm
— or cool. with fresh, bracing. W. winds.
One Butterfly (a Cabbage) on wing.
Autumnal coloring mostly gone by
as to its earlier stages which the later
ones bid fair to be disappointing for
the oak foliage is turning a dull russet
& already shedding from many of the
trees.

A Cat bird on well creek at breakfast
time. Ten or a dozen Juncos & 4 Robins,
with 2 or more Juncos, also came
about dooryard & 5 Bluebirds flew low
over it, calling plaintively. At Ritchie
place a young Song Sparrow warbling faintly,
a Titlark & 5- Browned Grackles on
wing over cornfield, 2 Jays near it,
2 Grass Finches in an apple tree,
a Canada Nuthatch in red pines.

Spent day at Ritchie place with
Barbark, Zeph, George & Gilbert, picking
yellow corn (52 bushels). I worked as hard
as any of the rest & nearly as long,
enjoying it hugely, but getting very tired.

Concord.

Ther

Tuesday, Oct. 22, 1918

Wea
Fine

A crystal clear day, absolutely cloudless
with warm sunshine & cool N.W. wind.
One yellow Butterfly on wing.

Small birds rather scarce again.

4 Robins, a Song Sparrow & at least one
White-throat in our dooryard, all the
Robins bathing at sunset. At Ritchie place
7 Goldfinches, 2 Song Sparrows & a gray
Purple Finch, eating sun flower seeds near
George's corn. 3 Blue Jays stealing
corn, a White-bellied Nuthatch in a
big hickory, 80 migrating Crows (counted)
streaming S.W. high in air & keeping
perfect silence, at 2 P.M. A few local
ones, noisy as usual, among them
the bird that calls ca-ca.

Spent day at Ritchie place picking
corn with Barbark, George & Zeph
& Gilbert part of forenoon. We
got 63 bushels. Gilbert went to
Cambridge in P.M. Taking to C.
2 pecks of strawberries & 2 of asparagus.

Concord

Ther 30°, 64° Wednesday, Oct. 23, 1918 Wea Perfect.
Corn harvesting finished.

Indian summer day following a night so frosty that all our flowers were ruined or nearly so. The entire landscape white with hoarfrost at daybreak. But by 9 a.m. the sun shone warm & by noon Butterflies (yellow ones) were on wing. From sunrise to sunset there was scarcely a breath of wind to stir the crisp pellucid air. The sunset was one of perfect calm serenity & beauty.

Not many birds. In our dooryard at breakfast time were assembled half a dozen juncos accompanied by one Fox Sparrow & a Song Sparrow. Later I heard a Yellow Warbler & a Downy there. 3 Goldfinches in the lawn, 3 Jays at Ritchie place, a few local Crows, a cock Pheasant calling at sunset, afar off.

Spent forenoon at Ritchie place peeling corn with Burbank, George & Gilbert. George finished with it at 4 P.M. We got 33 bushels. Total crop 188 bushels. Spent afternoon supervising apple picking.

Concord

Ther 29°, 62° Thursday, Oct. 24, 1918 Wea Perfect.

Essentially a duplicate of yesterday as regards weather conditions, albeit a trifle colder one night & with a light, cool easterly breeze in afternoon. Everything white with hoarfrost & the surface of bare, loamy ground slightly frozen, at sunrise.

In or near our dooryard I saw about a dozen ^{or 5 Robins} juncos & heard a White thr. Sparrow, a Downy & a Hairy Woodpecker & a White bellied Nuthatch. 2 Titlarks & 2 Starlings passed on wing at 8 a.m. Several Jays were looking for acorns in our large oaks & a few local Crows (including the one that says ca. car) were seen or heard from time to time.

Spent entire day out of doors but close about farm buildings where Brown & Henry were pruning orchard trees, Burbank & George boxing apples, Ieph working on a rack for lumber. To look after them all kept me very busy from 8 a.m. to 4.30 P.M.

Concord.

Ther Friday, Oct., 25, 1918 Wea
Apple picking finished. Fair

Forenoon windless, at first densely foggy afterwards sunny. Clouds gathering & S. W. wind rising in P.M.

Comparatively few birds. 3 or 4 Robins, 10 or 12 Juncos, a Song Sparrow, a White-throat & a Downy visited the dooryard; 2 Herring Gulls & 2 or 3 Jays the oaks at rear of barn.

Shortly before noon a flock of at least 30. Horned Larks passed low over the house heading S. W. & uttering piping calls that drew my attention to their authors. They are accustomed to appear here very regularly at just about this date.

A tedious day spent clearing up rubbish in & about farm building with assistance of Teph & George. Burbank boxing apples. The very last trees were pulled clean yesterday. The crop is of average size & quality. Some ten pounds of fruit sells for 75¢ or more here.

Concord

Ther Saturday, Oct. 26, 1918 Wea
68° max. Fair

Another calm, densely foggy morning succeeded by a partly cloudy but largely sunny day accompanied by a light southerly breeze and unseasonably high temperature, especially in late P.M.

Bird life at low ebb. 2 or 3 Robins, about a dozen Juncos & a flock of at least 15 Goldfinches (feeding on weed seeds near Bengalon), Bluebirds calling & Crows cawing afar off — these represented about all the birds that came under my notice during the day.

Although out of doors the whole time from sunrise to sunset (save during the noon hour) I did not once get far away from our farm buildings but worked mostly at clearing up things near them with George's help. Burbank boxed apples. Biggi & Teph brought 3 truck loads of fresh sawed lumber from Guss's (now Hoff's) mill & piled it loosely behind Bengalon.

Concord.

Ther
70° max

Sunday, Oct. 27, 1918

7 Wea
Fair.

Still another calm, foggy morning preceding a sunny almost windless and - for the season - exceptionally warm day. Last night, also, was unseasonably mild the therm. being about 60° at 10 a.m. Field Crickets & Tree Crickets then filled the still air with merry chirpings. Early this forenoon I heard a full & brief outburst of Hyla (*pickeringii*) voices (they were of spring, not autumnal, type) and later the rolling croaking of Leopard Frogs in the river marshes. Plenty of yellow Butterflies on wing at noon time.

Heavy flight of Juncos. At least 50 in our farm miller patches & 30 or more scattered elsewhere. A White throat Singing & Song Sparrow calling, near house at daybreak. Young White-crowned Sparrows in leafless top of small tree near barn, calling White. Chickadees (3 flocks) & Jays (a few), Crows (not many) & one Catbird in Ball's Hill region. Started a Partridge in Bush H., 2 in Prescott pines. To Ball's Hill via Prescott Pines & Davis H. 10.30 a.m. - 1.15 P.M. With letters after dinner until 4.30 & after that pruned grape vines.

Concord.

Ther
72° max.

Monday, Oct. 28, 1918

7 Wea
Fair

Mostly cloudy & again densely foggy in early morn. Light southerly breeze in P.M. Warm & humid all day. Hyles calling.

Very few birds seen or heard. A dozen or more Juncos, several Goldfinches & a Downy Woodpecker noted in or near the dooryard. At least 2 Jays flew over it and so did Horned Larks unseen but evidently passing low southward - if one might judge of this correctly by merely listening to their piping & light calls. as was the case with me. It happened twice - at 8 a.m. & 2 P.M. or thereabouts.

Spent entire day out of doors superintending & also participating in, farm work of various kinds. We hauled & burnt brush, boxed apples, etc. Biggi brought down the last (fourth) load of lumber from the mill. Toph says there are 10000 ft. of it. He & I "stocked" & piled all the thin oak boards in P.M.

Boncord

Ther 80° Tuesday, Oct. 29, 1918 Wea Fine

Clear with rather fresh S. W. wind agreeably tempering what seemed & indeed was oppressive heat for the temperature rose to 80° by 10 a.m. and remained thereabouts until late afternoon. Hylas calling freely. A few Butterflies on wing. Tree Crickets heard last night. Tiny Mosquitoes (apparently of the pitcher plant breed) very numerous & troublesome. Bird life settling on a late autumnal basis. Our dooryard birds represented to-day by a single Robin, a Downy, 5 Goldfinches & about 15 Juncos. Now & then a Jay flies over or Crows cawed in distant woodland. Once I heard Horned Larks piping somewhere in or above Kraemer's field.

To devote such a day as this to farm drudgery was irksome enough but it simply had to be done. Jeph & I piled lumber, Burbank & George hauled manure, Gilbert picked 2 quarts of strawberries & a pint of raspberries.

Boncord

Ther 76° (70° at 6.30 P.M.) Wednesday, Oct. 30, 1918 Wea Fair

Sun shining dimly through fleecy clouds. Light southerly wind. Summer-like temperature through entire day & both nights. Frogs jumping into pond front of house whenever I passed that way. All this in strange contrast to leafless trees & dry leaf strewn ground beneath them.

First Tree Sparrow, chirping faintly in Beech Pasture. Rose red & Purple Finch & one in gray plumage, in fruit. Cedar gray bird at Ritchie place. Rather more than a dozen Juncos in millet patches. Solitary Robin in dooryard, another at Ritchie place. One Jay; 10 local Crows. This comprises all the birds seen by me to-day. I heard the flight calls of a Tit lark & those of Horned Larks.

Spent day out of doors working with the men. Jeph finished picking lumber, Burbank & George hauled manure & boxed apple. Brown & his Henry pruned apple trees.

Concord.

Ther Thursday, Oct. 31, 1918 Wea Showery.

Mostly cloudy with high temperatures and frequent light showers. Strong S.W. wind. Rarely beautiful sunset lasting at its best for half an hour or more.

Continued scarcity of birds, both small & large. One dooryard visited by a Robin & Song Sparrow (both of which sang a little) 7 Goldfinches, several Chickadees, about 15 Juncos, one Tree Sparrow. Gilbert saw a Brown Marsh Hawk flying over field front of house. One Jay & several Crows prowling about wooded borders of farm.

Spent forenoon in shed rearing up things with Gilbert's help. Burbank also there at work on safe for keeping fruit, made from a discarded corn for planter constructed years ago by Forbush.

Picked up apples in P.M., both under our former trees & at Ritchie place where I had open view of glorious sunset

Concord

21 Ther Friday, Nov. 1, 1918 Wea 7 in

Clear and rather cool with light westerly wind. One Butterfly and many bees about hawkweed (fall dandelion) blossoms at noontime & later.

Rather more birds again especially Juncos of which at least 20 were flitting about the miller in front of house. At 7 a.m. they all flew to our big elm, joining there 6 Purple Finches 2 of which were red males. Several Chickadees, a Downy & 4 or 5 Jays also came close about the house & a Tree Sparrow visited the orchard. 12 Crows flying high S.W. & apparently on migration, passed at 8 a.m. A cock Pheasant was calling somewhere beyond the Berry Pasture at sunset.

Spent most of forenoon in wood shed, doing carpenter work all by myself. Did none of it there in afternoon when Gilbert had gone to Cambridge with apples & strawberries. Burbank boxing apples. Zeph handled 2 canoe pit roofs for Ball's to put over lumber. George off again on a few

Concord

Ther 36°, 54° Saturday, Nov. 2, 1918 Wea Fine

Clear & cool with strong, chill N.W. wind. Sunshine warm in sheltered places but would swept ones were not pleasing to linger in long.

25 Juncos, flitting hither & thither through dooryard & orchard, or chasing one another in sport through leafless tree tops, or rising in quick succession from beds of millet, were almost the only birds that attracted my notice about the farm. Indeed, the only others were a Downy and migrating flights of Robins & Crows. Of the former a flock of about 25 passed low over the orchard at 7 A.M., heading S.W. They were followed half an hour later by some 40 Crows.

I spent forenoon at Ball's Hill with Gilbert & Jeph removing some of the last things from dismantled cabins. No bird life whatever there. Rand & three other gunners passed in boats. They shot 2 Pheasants & 3 Black Ducks yesterday & flushed a Snipe this morning.

I worked out down near house all P.M.

Concord. Heavy flight of Juncos.

Ther 29°, 52° Sunday, Nov. 3, 1918 Wea Fine. Shrike attacks Sparrow.

Clear with strong, cold N.W. wind. Fields white with hoar frost at sunrise. One ever-bearing Strawberry continues to ripen. St. Regis raspberries about gone. Most of the tomatoes served this noon.

Big flight of Juncos. 100+ with 2 Fox Sparrows in millet at farm, 50+ & another Fox S. in corn field at Ritchie pl. A Robin in orchard, 10 others in roadside field near Carlsbad line. Downy in dooryard. Creeper in red pine grove next Ritchie place.

Shortly before sunset I flushed a swarm of Juncos from orchard millet patch. They scattered over eye stubble beyond. Then a young very brown Shrike pounced suddenly on one of them missing it narrowly. He then flew into an apple tree where, a moment later, a Fox Sparrow perched within a yard of him & eyed him without apparent fear. He dove at it instantly thru thick branches & again missed his mark - after which I saw him no more.

Soon after breakfast Gilbert returned with a rabbit which I bought for 20¢. A remarkably handsome Bartram's Quail was said to have Phoebe's blood - which I do not credit. My next call on Jim Jorgensen. He & his wife very cordial, happy and hospitable. Back by 11.30. Took letter & started for Rutledge place at 6 P.M.

Concord.

Ther 26°, 50° Monday, Nov. 4, 1918 Wea Dull.

Loosest night coldest one of autumn thus far. Heavy white frost at daybreak. After peeping out briefly then the sun became obscured by clouds & did not reappear while a little fine rain fell way now & then.

George Barber reports upwards of 1500 Cross Blackbirds in hedges ten tops near his shack & tin can field at Thetford place, 7 a.m. The only birds I noted were a dozen or more juncos, a Goldfinch, 2 or 3 Jays & as many crows.

Spent most of day in or near house superintending carpenter work etc. Jeph worked only in P.M. He has bought a large good looking horse (\$100) which I am to keep for him. This walk only. It weighs 1500 lbs & makes our stable floor tremble.

Whitcomb Scudder & a friend of his who is soliciting funds for a western colony called in late P.M. I made them no promise of my definite help.

Concord. Last of the St. Regis raspberries. Full quart of strawberries picked. Tuesday, Nov. 5, 1918 Wea Stormy

For the most part a dreary day with chill air, densely cloudy sky and fine rain falling; but the sun came out by 3.30 and set in a perfectly cloudless sky suffused with tender golden light. There was then no wind stirring & scarce any earlier in the day.

A Downy, 4 Jays, 3 or 4 Crows & 8 or 10 juncos were the only birds seen or heard by me. Both Jays & Crows showed interest in a large patch of standing sweet corn stalks but the ears have been too carefully harvested to afford more than the most meagre gleanings for any bird or beast. I am feeding this corn (now ripened) to the hens who seem to relish it as well as any other grain.

Spent most of day in house rearranging things & doing amateur carpenter work. Gilbert picked a full quart of really handsome strawberries & took them & a few raspberries (the very last) to C. in Cambridge.

Concord.

Ther 28° Wednesday, Nov. 6, 1918 Wea Fine

Clear & frostily cold with light northerly wind. Surface of ground snow white with hoar frost & also hard frozen, at sunrise.

At least 50 juncos in miller patch front of house whence they rose practically all together, in a dense cloud, as I was passing that way. Beside these I saw only a couple of Jays, a small flock of Goldfinches, a few scattered Crows & a Cock Pheasant rising on wing, with loud calling, to alight, after flying only a few rods over Howe's grass field.

Jeph & I spent most of forenoon repairing & improving a lawn chicken coop. Brown came down to cement apple trees but worked only half the day. Burbank & George ploughed with Lawrence's gray horses at Pilekin place & in field across road. Jeph & I transferred water lilies fr. front of house to pond hole in Berry Pasture, in P.M.

Concord. End(?) of Great War proclaimed.

Ther 27° Thursday, Nov. 7, 1918 Wea Fine.
~~Belated House Wren~~
Nine Partridges flushed.

Another brilliantly clear & sharply frosty morning followed, however, by a comparatively warm & almost windless day very beautiful & serene with all.

An unseen House Wren in Forsythia thicket front of house, 8 a.m., uttered its characteristic harsh, grating, scolding notes repeatedly, & then sang Sotto voce, several times, thereby fixing its identity beyond question although I did not once set eyes on it. 15 or 20 Juncos, 3 or 4 Goldfinches & a Zen Sparrow also visited our door yard or orchard. A Robin & 2 Fox Sparrows in Green Field, 5 or 6 scattered Jays. 9 Partridges flushed, 3 in Birch Field, 2 in Run, 4 in Berry Pasture. Cock Pheasant calling at noon.

Spent most of forenoon in the woods looking for wintergreens, ferns etc. to take to Cambridge. Out with 20 g. gun in mid P.M. to try for a shot at a Pheasant. but flushed only Partridges & did not care to molest them. About 2 P.M. a tremendous din of distant bells, fire alarm & other whistles began & lasted for half an hour or more, proclaiming end of Great War, 'tis said.

out about 3 P.M. staying about 20 minutes

Concord.

Ther

Friday, Nov. 8, 1918

Wea
Fine

Early morn calm and cloudless with keen, but not frosty, air. Forenoon sunny & latter warm despite some northerly wind. Chill N.E. wind & gathering clouds by 3 P.M. & later.

Renewed death of bird life. 10 or 12 Juncos & a Tree Sparrow, 3 Goldfinches & a Pine Siskin, 2 or 3 Jays & many Crows & a Downy Woodpecker comprise a full list of birds seen or heard about our house & orchard.

At Concord I saw a single Tit Lark flying low over Petersen's field & heard a Hairy Woodpecker calling in Sewall's oak grove.

Shortly after breakfast Gilbert & I motored to Concord to look at a tip cart belonging to Dr. Cherry which Brown thinks can be bought for \$80. It is smaller & lighter than mine.

Spent remainder of day about our farm boxing apples etc. with Burbank & Teph. Very harrowed field across road.

Concord

Ther

Saturday, Nov. 9, 1918

Wea
Dull.

The sun rose clear but soon entered clouds from which it did not afterwards emerge to temper the chill foreboding of a typical late November day. A little fine rain fell towards evening. Very little wind & that southerly yet chill.

A Northern Shrike, 10 or 12 Juncos, 3 or 4 Jays & a few Crows were all the birds seen or heard about the farm to-day.

The Shrike appeared in the big dooryard elm just as we finished breakfast & evidently intent on securing his own sat crouched on a high branch for half a minute watching some Juncos flitting about the miller over the wall. Finally he swooped at them with arrowy swiftness scattering the little folk in wild panic but none than this I failed to see.

Spent earlier day out of doors working with the three men. We dug potatoes & dahlia bulbs, took down some chicken yard fences & did various other more or less useful & necessary things.

Bell ringing & whistle blowing of yesterday picnic. Great war still going on in France & Belgium.

Concord - Cambridge

Ther

Sunday, Nov. 10, 1918

Wea
Fair

Morning cloudy & warm with light S. W. breeze. Afternoon sunny with fresher & cooler west wind.

Birds at October Farm (8-9 A.M.) 3 Robins on wing, 15+ Juncos in miller, several Chickadees & 2 Brown Creepers in Tree, 3 or 4 Jays in orchard, a Crow in corn field, flight call (three whistle one) of Pine Grosbeak heard near house.

Birds in Cambridge Garden (11 A.M. & P.M.) 4 Robins eating hawthorn berries, a Brown Creeper & 4 Chickadees in lilacs, Goldfinch & Juncos heard. Peabody Bird & Flicker seen.

Before leaving Farm this morning I went into woods near Pulpit Rock to get rock ferns for Barry's & Jimmy's graves. Gilbert & I started for Cambridge at 9.30. Reached there about 11. Planted ferns with Tracy's help. Then saw Barry. Miss Allyn & Miss Hoppes dined with us at 1.30

Cambridge - Boston - Concord

Great War really ended to-day.

Ther

Monday, Nov. 11, 1918

Wea
Fine

Brilliantly clear & frostily cold with fresh northerly wind. Last night coldest of season at Concord. Ground there hard-frozen this morning. In Cambridge Garden by Museum Solvias & Nasturtiums continue in unmarred bloom. Birds in Cambridge Garden. Only some Chickadees & a Downy, both scarcely heard.

Awakening at daybreak I heard whistles blowing & horns tooting far & near proclaiming news reaching this country an hour or two earlier that an armistice with Germany had been signed & the Great War thereby finally ended. All day long the din continued with varying intensity, no doubt throughout our whole country. In Boston it was fairly deafening when I reached our office at 10.30 A.M. All streets in that neighborhood were then awash deep in torn-up papers & confetti & densely crowded with motes of every description crammed with young men, girls & children, waving flags, cheering, singing, blowing horns, beating on tin pans & otherwise making all the noise they could. The shops were practically all deserted & closed their employees having deserted in a body to enjoy a holiday & celebration of their own prematurity. One office, however, was open as usual & all the Erskine people at their desks. I saw Arthur & the rest. Miss Waller - Mrs. Watson since Oct. 10 - has been employed by a very young girl stenographer said to be efficient. I lunched at Thompson's & took 2.30 train to Concord where Gilbert met & returned me to Farm to spend another week.

Concord

Ther Tuesday, Nov. 12, 1918 Wea
20° 42° Fine

Clear & cold but almost windless.
White frost at sunrise & surfaces of ground
heard frozen, remaining so in shaded
places all day. Decidedly coldest
weather thus far this autumn.

The present cold wave seems to have
banished most of our few remaining
migratory birds without bringing any
others from further north. 2 Goldfinches,
5 or 6 Juncos, a Tree Sparrow & 2 or 3
Crows make up the full list of everything
seen or heard to-day. Apparently the
late autumnal flights are over or
nearly so.

Spent most of day working with
Burland & George about the farm.
Left away yesterday & to-day.
Smith Dexter came down to dinner
with me. We had a long talk & a
short out-g. down ramble.

Gardner Lawrence called this eve to
submit bills for United Fruit Co. Cans
He got 25.

Concord. Deer at the Farm & Carlisle.

Ther Wednesday, Nov. 13, 1918 Wea
30° Fair

Partly sunny, mostly cloudy. Very chilly
with light easterly wind. Everything
white with hoar frost at day break.

Hardly any birds. 2 Chickadees in the
big elm, 5 Tree Sparrows in field front
of house, a Jay flying over it, one or
two Crows on wing - that were
literally all I saw or heard.

John saw 4 Deer together in a field
in Carlisle, yesterday. This afternoon I
found perfectly fresh tracks of at least
two large ones, in our orchard where
they had crossed a piece of recently
plowed ground, on the run.

Several Gray Squirrels haunting the
farm & one big one in our dooryard. I
have not molested them this autumn.
They are now greatly outnumbered by
Red Squirrels. These come close about house.
Four living in wood pile, one in house.

Spent entire day working with all
three men about the farm. We chanced
up a lot of rubbish, hauled in wood,
& did a little ploughing.

Concord

Ther Thursday, Nov. 14, 1918 Wea
Time.

Heavy rainfall thro. most of last night
Early morning cloudy. Remainder of
day brilliantly clear with fresh
westerly wind. Sunset calm & serene
with frosty-feeling air.

As I was standing near our barn at 10
a.m. an adult ♂ Pine Grosbeak came
flying low westward over me, uttering
his three-syllabled whistled call every
few seconds, and showing bright rosy red
all over in the clear sunlight.

Besides this beautiful bird I saw
a single Jay & 2 Goldfinches eating
sunflower seeds at Retchin place
where a Tree Sparrow was heard
chirping. Thus the bird-life hereabouts
would seem to be almost non-existent
now.

Working all day with the men,
clearing up rubbish, cutting brush etc.
Gilbert returned to Cambridge to
take C. into Boston. So I drove
alone.

Concord

Ther 32°, 60° Friday, Nov. 15, 1918 Wea
Time

A bright sunny day throughout and
comparatively warm, with light S.W. wind.
The ground was white with hoarfrost &
also slightly frozen, at day break.

Juncos here again in moderate numbers
at least a dozen of them chasing one
another through the orchard with happy
twittering & much flashing of white outer
tail feathers. A Tree Sparrow among them.
Besides these I saw 2 Goldfinches & heard
a Pine Grosbeak & two or three Crows.

The customary out-door farm work
kept us all very busy through the entire
day. We ploughed several small
plots of cultivated land, hauled some
manure from the barn cellar & manure
from meadow at foot of orchard slope,
cut down a few pines near Benigdon
for covering Strawberry beds etc. etc.
Gilbert went twice to village to take
E. K. S. & Miss Balch to & from
the Emersons & railroad station.

Concord.

Ther Saturday, Nov. 16, 1918 Wea
Fair

Partly sunny but mostly thin cloudy.
Very mild with little or no wind.

Near house 12+ Juncos & a single
Pine Grosbeak the latter perched on
topmost twig of elm, whistling loudly,
but showing no color against a white
clouded sky. A single Jay & several
Crows. At 11 A.M. the distant
howling of Geese came to my ears as
I was at work in our shed. Running
out I soon saw the birds & counted
24. They were strung out in single file
& flying S. W. at a height so great
that they looked no bigger than Pigeons,
& so very swiftly that they passed out
of sight in a minute or two.

In Birch Field I heard 2 Jays &
saw a Hermit Thrush among young pines.

This, my last day at Farm, was
a very busy one. Spent forenoon in &
near house putting things away for the
winter. Lyle & I went to Birch Field
& Prescott farm in late P.M., planning
for cutting wood etc.

Concord - Cambridge.

22 Ther Sunday, Nov. 17, 1918 Wea
Stormy

Dark cloudy, foggy, calm & mild. Light rain
falling thro forenoon, heavy & continuous downpour
in afternoon & evening.

October Farm, 7-9 A.M. Several Juncos in dooryard,
cock Pheasant in field front of house, 2 or 3
Crows cawing in distance

Near Carlisle Bridge, 3 Fox Sparrows.

Cambridge Garden (11 A.M.) 2 Chickadees by
Museum gate, Brown Creeper in lilacs, im.
White-throated Sparrows, 33 (counted) Pine
Loonnets clustering thickly in top of fruiting
Paper Birch, eating its seeds in silence.

At 9.45 A.M. Gilbert & I closed the old
farm house for the winter & started for
Cambridge by Bedford, Sharokun valley &
Arlington route. Reached home about 11.
Miss Allyn at dinner. Hate letters
after it. John Read's son called at
4 P.M. to submit sub. for War Relief
fund. Gave him cheque for \$50.
E. R. S. read David Copperfield after supper

Cambridge - Boston.

Ther

Monday, Nov. 18, 1918

Wea
Dull.

Forenoon dark cloudy, warm & humid with light rain falling. Clouds less dense & air somewhat cooler in afternoon.

Garden birds. Hairy Woodpecker heard calling. Crow flying low & 2 Gulls high in air, over the house.

To Boston at 10.30. Shortly after reaching there went with Galloupe to Safety Vault to cut off a lot of coupons from Trust estate bonds (including Copley Plaza Hotel, Town of Quincy & First Wharf). Lunched at Thompson's Spa. Spent about 3 hours in office. Arthur getting ready to start for Porto Rico next week. Visited my personal Safety Vault box & cut coupons from U. S. Bonds. Out to Harvard Square by 4 P.M. Walked thence to Ware Hall & spent some hours with C. Nuttall. Chatting & reading this eve. Scholarly paper of much interest by Judge Jennings on a little known Portrait of Audubon.

Cambridge.

Ther

Tuesday, Nov. 19, 1918

Wea
Fine

Sunny, calm & mild.

Garden birds. 2 Chickadees in lilacs; Jay in lindens; Flicker & Peabody bird heard calling; flight calls of Pine Squirrels heard.

Forenoon spent in Museum writing letters & arranging various things. To Mus. Comp. Zool. in P.M., motoring down at 3.30, walking back after the early Nov. twilight had almost yielded to dark night. At Museum saw Sam Henshaw, Robert Jackson, Dr. Feltus and G. M. Allen. Bangs away. Fayou said to come but seldom to be in poor health & fine.

Spent evening in front hall with E. R. S. who read to me from "David Copperfield"

Cambridge.

Ther Wednesday, Nov. 20, 1918 Wea Dull.

Dark cloudy, calm, mild but chilly, with a little fine, mist-like rain.

In Garden 2 Chickadees, 2 Jays, a Downy Woodpecker (heard), Crow (heard), 15 Gulls flying over high towards Fresh Pond.

Spent day in Museum, hoping to write letters but constantly interrupted. First came Percy, brought by Gilbert, after absence of a week, because of rather severe injury to foot, by stepping into an unseen hole. He was soon followed by John Lawrence with a truck load of apples (150 bushels) and potatoes (15 bushels) - from the farm.

Then came John Sheehan & another to unload all this produce. Dr. Stevens called on H. to advise him concerning a rheumatic trouble. Burnham came in P.M. & paid me \$30. for 7 1/2 bus. Wheat.

At "We Dine" at Walter Dean's 7-11 P.M. Everyone there save Barbara, in Cuba, Goodale (laid up in a cold), Harry Spelman, son Harry brought Austrian beer. Tipton to show.

Cambridge

Ther Thursday, Nov. 21, 1918 Wea Dull.

Dark cloudy and very chilly, but not frosty, with a little fine rain.

2 Crows in the lindens at breakfast time were the only birds I noticed all day.

The writing of several letters & a lot of cheques for bills kept me busy in the Museum from 9 a.m. to 6 P.M. save for the noon hour at luncheon etc. The evening was passed in the hall with E.R.S. who read to me from David Copperfield the entertaining chapter wherein he is rescued from the Murdstones by Betty Trellick & adopted by the latter. Strange to say I have now for the first time introduced to this admirable story how it could altogether eluded me in long past years when I read & re-read it. The other books that Dickens wrote I find difficult to comprehend.

Cambridge

Ther

Friday, Nov. 22, 1918

Wea
Fair

Forenoon sunny with crisp, dry air and little or no wind. Afternoon mostly cloudy & very chilly. No frost sensation since Friday last.

Garden birds. Only Chickadees & Crows both heard.

Spent entire day in Museum writing letters, cheque, etc. etc. etc. Ann. Lawrence brought a load of birch wood from Concord. Gilbert visited there this morning to make bank deposit, get aquarium supplies in Lawrence's pond etc. E. R. S. gone to the Bee this evening so I have supper alone & am now settling down to read Herrick's Condolence for an hour or two.

Cambridge

Ther

Saturday, Nov. 23, 1918

Wea
Fine

Brilliantly clear with strong, cold northerly wind.

Garden birds A Chickadee & Blue Jay in Thicket close beside my study window, a Hairy Woodpecker (♂) in the Birch Grove. The Thicket is less attractive to birds than formerly for all but one of its component rhododendros have died and the deadly night shade vines that overman it so profusely bear no fruit this year. Hence it affords neither the shelter nor food that it once did.

Spent day in Museum writing a few letters despite rather serious eye strain increasingly troublesome of late. It forced me to quit both writing & reading in the afternoon when I first rearranged my desk and then went to call on Walter Deane who showed me an oil painting of himself just finished by some young artist. It is an excellent piece of work as regards technique but not a very good likeness.

Cambridge

Ther Sunday, Nov. 24, 1918 Wea
Fine
Aeroplanes over Cambridge.

Clear and cool with moderate
easterly wind. Hard frost last night.

Garden birds. A jay and a
Chickadee.

Letter writing in Museum
occupied most of my day. Had
guests at dinner we had. Besides
Miss Wilga. Prof. J. H. & family. etc.
They will all be together at 5.30 P.M.

Aeroplanes, I'm told, have appeared
over Cambridge rather frequently of
late although not as yet within my
personal view. Percy reports seeing
one this afternoon diving down towards
the Common. & India below the
same or another above our own
place pursuing a somewhat erratic
course.

Cambridge

Ther Monday, Nov. 25, 1918 Wea
Fine

As regards weather conditions to-day
-was a close duplicate of yesterday with
similarly cloudless sky, bright sunshine
and light, cool westerly breeze.

Garden birds. Only an unseen Chickadee
calling his name emphatically somewhere
just outside my study window.

Increasing trouble with a bright but
persistent cold decided me not to
go into Boston as had been contemplated.
So I spent the day at my desk in
Museum looking over & dispatching a
great number of letters, circulars etc.
that have accumulated during the
past six months, writing answers
to a few of them, mailing out
cheques for subscriptions to Harthley
& other charities, etc. etc.

E. K. S. went on a round of calling
in P. M. She read to me from
"David Copperfield" after supper. Little
"Danny" with us in hall all evening
& with me in Museum this forenoon.

First Touch of Winter. Cambridge.

Ther Tuesday, Nov. 26, 1918 Wea
18° Cambs (10° at Concord) Fine

Brilliantly clear with fresh northerly wind.
Coldest day of season thus far. Surfaces of
exposed ground hard frozen.

Garden birds. An unseen Robin calling
many times at 9 a.m. A Golden-crest
Tinglet and a Flicker heard later; also
a Chickadee. 2 Jays flying through
Jungle. House Sparrows altogether absent.
Have not seen or heard one about the
place this month. What can have
become of them. General absence or
scarcity of Fringilline birds. A Goldfinch
& a Junco noted once; a White-throat
thrice; Pine Squirrels twice (once a flock of 33)
make up the full list of such birds
observed in the Garden since I returned to it.

Reexamination & sometimes answering of
neglected correspondence continues to
occupy much of my whole time daily.
Large numbers of letters, circulars, etc.
etc. accumulating through various means.
Thus be dealt with on other work.
Can be resumed. Usual evening reading
by E. T. S. C. Telephone checks, etc.

Cambridge.

Ther Wednesday, Nov. 27, 1918 Wea
26° min. Fine

Cloudless, almost windless, cool but
without bitter chill; altogether a not
unattractive late autumn or early winter
day, much to be preferred to yesterday for
out-of-door employment of various kinds.

Garden birds. A silent Jay peering in at
Museum study window from fringe of
nightshade vines just outside, & outrageously
noisy Crows perched in tree tops in Jungle
apparently vituperating something or other
"fear that" I failed to see, a pair of
Starlings & 7 Herring Gulls, one wing high
in air heading towards Fresh Pond.

The task of sorting, deciphering, & perhaps
answering, accumulated letters continued.
through in-day yet remains unfinished.
I left it at 3 P.M. to stroll up Roselle St.
to Elmwood, through Lake View Ave. & back
through Highland St. Saw a few House Sparrows.
My boy friends Thompson & Watson came at
5. Staying half an hour. They report a
Mockingbird at Fresh Pond (Hemlock Point)
on Nov. 17. Almost no Ducks in any of the
ponds, they say. E. T. S. had to neglect supper

Cambridge.

Ther Thursday, Nov. 28, 1918 Wea
Fair

A calm, sunny, frosty morning; clouds gathering & east wind rising, by noon. Afternoon dark cloudy & chilly but not cold.

Garden birds. Entering the jungle at 9 a.m. I found assembled there hopping about on ground or flitting from twig to twig within a yard of it, a Hermit Thrush, 4 Chickadees, 2 Tree Sparrows & a ♀ Junco. All these kept on together ahead of me into Birch Grove & Grape Arise, Tree Sparrows very tame & confiding. Hermit & Junco birds.

There were also within our grounds then or a little later a House Sparrow, a Jay, 2 Crows & a Downy Woodpecker. I have not seen so many birds here before for a week or more.

Wrote a few letters after breakfast & then called on the Spahnians finding most of them in back yards engrossed in newly acquired hens. which showed some concern when a big Sea plane soared Hawk-like, with loud throbbing engines, high overhead. Evening & I had as dinner guests Miss Ireland, Mrs. Cobb, Mrs. Mansfield, Miss Balch & Miss Katherine Irene Robine from Montreal. They all departed at 4, after which I wrote more letters. C. dined on her room at Ware Hall with Miss Swamy. E. R. S. back to me as usual after supper.

Cambridge.

Ther Friday, Nov. 29, 1918 Wea
Fair

Clear, calm, comparatively mild. Light rain last night. City lawns everywhere as green as in early autumn.

Garden birds. Handsome adult ♂ White-throated Sparrows in lilacs, afterwards singing a little faintly in vine within a yard of my Mrs. Blinny window; White-bellied Nuthatch, ♂ at first in Seattle pear tree, later in willow by Mrs. gate; one House Sparrow, a Downy Woodpecker (in lilacs), a Flicker.

Working on the letters all day. Several required answering at some length. Hence my progress with them was not great.

F. H. Allen called at 12.30 to look over my series of Helminthophila parvus more especially to see if any have yellow wing bars, as several have. One so marked was seen by him, Townsend & others on W. Ryeberg Lake May & June. He dined with us & departed soon afterwards. Dr. Stevens came at 6 P.M. to strap up my left side with Belladonna plaster. It has been very painful to day. Usual eve. reading.

Cambridge.

Ther Saturday, Nov. 30, 1918 Wea
Fair

Mostly sunny but partly cloudy.
Just seasonably cool; almost wholly windless.

Garden birds. A Chickadee in willow by
Museum gate; 4 vociferous Crows in Jungle.

Leaving the house about noon I
walked up Brattle Street to Mount Auburn
and in the big greenhouse opposite the
entrance gate of the Cemetery spent half an
hour or so looking for flowering plants of
which they seemed to have comparatively
few & these high priced. After purchasing
a small Begonia & a so-called Bird's Nest
Fern (of recent appearance in flower shows
but now apparently very popular there)
I returned in time (or rather a little late)
for luncheon with E. H. S. After it she
went to Ware Hall to read to C. & I
into Museum to write letters. Dick Dana
came there as twilight was gathering & we
had half an hour or more of friendly chat.
He seems quite well now & in excellent spirits
but is "troubled" about his radical son Harry.
John delivered an intemperate Socialistic address
in Faneuil Hall last Tuesday evening.

Cambridge.

Ther Sunday, Dec. 1, 1918 Wea
20°, 24° Fair

Clear & cold with strong, fresh N.W.
wind.

Garden birds. None seen but Crows,
House Sparrows & at least one Chickadee,
heard.

Letter writing in Museum occupied
most of the day. Miss Allyn dined
with us as usual. In late i. a.

I called at the Almys where I met
Mary received me most cordially.
We talked for upwards of an hour &
then I came home without having
seen Charles Almy who was away
on Expedition Board duties.

Brattle Street is now thronged of a
Sunday afternoon with swift-sweeping
motor cars and at all hours during
most week days with their & heavy
motor trucks, some of which for
one route perceptibly.

Cambridge

Boston

Ther
16°, 26°

Monday, Dec. 2, 1918

Wea
Fair

Mostly sunny but partly cloudy;
Calm & frostily cold.

Ware Street birds. Crows & Jays reported
by C. as appearing close about War Hall
of late. I saw a Downy Woodpecker there today.

To Boston at 10.30. Spent upwards
of 3 hours in our office. Howard K.
Bronson met me there by appointment.
To get my signature to a release of a
\$5000. mortgage belonging to Geo. B. Kettell
Estate. A Savings Bank has taken it &
paid for it in full. Mr. B. advised
investing the money in U.S. Short-Term
Notes, to which I agreed. He says
about \$500. Excise fee will have to be
paid Leverett Estate from Kettell Est.

He thinks Mr. Leverett would not have
accepted it but his executor cannot decline
it. I told him I should not take my
fee - amounting to about \$250.

Lunched at Thompsons. Came out to Harvard
Square by 3.15 & called on C. at War Hall
4-5 P.M. Walked home from there
after dark.

Annual Election of Officers at Nuttall Club
meeting. All of past year's members. Large
attendance. I presided.

Cambridge

First snow-fall.

23

Ther

42° max.

Tuesday, Dec. 3, 1918

Wea

Fair

Mild & windless with alternating clouds
& sunshine. Under these conditions snow
an inch in depth, that had fallen over night to
whiten the entire landscape this morning
was mostly gone by noon & quite so before
sunset.

Gold-crest,

Garden birds. An unseasonable Chickadee, Downy
& several Crows heard, 10 House Sparrows
busily engaged with a pile of freshly dropped
horse manure in Sparks Street.

At Nuttall Club meeting last night
Walter Deane reported seeing, I think
yesterday, no less than four different
Hairy Woodpeckers scattered singly among
trees in the Cambridge Botanic Gardens.

Pine Grosbeaks reported from various
localities including Arlington & Belmont.
An unusually large percentage of those seen
have been adult males.

Spent most of day in Museum meeting
Lethers. Voted in City Election at 10 a.m.
& took E.R.S. in Ford car to do so at 3 P.M.
She read to me, as usual this eve.

Cambridge

Ther Wednesday, Dec. 4, 1918 Wea
Dull.

Dark cloudy with drizzling rain overnight & early morning & a heavy downpour at evening.

Garden birds. Chickadees, House Sparrows & Crows, several of each, all near together in jungle at 9 a.m. There were, I thought, at least five Chickadees, keeping high in the trees. Yesterday I found feathered remains of one, including a portion of a wing with secondaries still attached, scattered along the flagging walk between our house & Brattle Street. These fragments suggested Shrike work but it may have been done by Blackwell's black cat.

Spent day in Museum writing letters. For first time since Sept. 5 C. paid a visit to the house this afternoon (2.15-4.15).

She took Danny back to Ware Hall & I motored down with them. Walking home after dark in pouring rain.

Now E. R. S. has just finished the usual evening reading (David Copperfield still)

Cambridge

Ther Thursday, Dec. 5, 1918 Wea
30° max. Fair

Mostly sunny with chill air but not much wind. Ground once more quite free from frost save on the surface which stiffened over night to thaw under the sun's rays at noon. Grass still very green.

Garden birds. Only a Chickadee pecking at last year's sweet be ground beneath my study window.

Entire day spent in Museum. Kennard with me most of forenoon looking at eggs, egg boxes etc. He is troubled over a fungoid disfigurement of the valuable collection of eggs which he & Bernt bought of the Estate of Tread Spaulding of Lancaster N.H. It has attacked very many specimens & ruined some of the choicest sets.

John Nichols talked with me by telephone in P.M. from somewhere in Boston. Lawrence brought box of bird eggs. Concord. Usual evening reading by E. in hall. Telephone talk with C. at 4.30 P.M.

First heavy snowfall. Cambridge

Ther

Friday, Dec. 6, 1918

Wea
Stormy

Snow falling thick & fast all day break.
It then covered the ground to the depth
of 5 inches and by noon - where it
ceased coming - to upwards of 10 inches.
Clouds parted & sun shone out on a
wintry landscape, in late P.M.
Rather many horse-drawn fairs &
other sleds to be seen passing our house
recalling older times.

Garden birds. None whatever noticed.

A throat cold somewhat troublesome
yesterday became overpoweringly so
to-day confining me to the house
where I sat by an open wood fire
in the Den reading a little but
unable to do anything else.

Being my companion at meals
& by the hall fire after supper where
we enjoyed a good chapter of David
Copperfield & a short call from
Larry Fuller. Little "Darry" also
with very affectionate & winning as
he was on such occasions.

Cambridge. Mid-winter conditions

Ther
10°

Saturday, Dec. 7, 1918

Wea
Fair

Pale sunbeams shining feebly & fitfully
through a thin veil of clouds. Coldest
day of season thus far.

Garden birds. Only a Crow, cawing
in the lindens.

A second day of semi-illness passed
for the most part in solitude but by a
bright wood fire in the den where I
read as much as aching & weepy eyes
would permit. On the whole, however, the
cold in the head which is responsible
for this confinement is by no means
an exceptionally bad one & seems
indeed to have already passed its worst
stage. Thomas came to investigate it
this morning. He says it is of a type
very prevalent in Cambridge now as is
also the Spanish gripe which has
reclaimed of late but in milder form
than at first.

Spent evening in hall with S. & D.
who read to me from the "Hornet"
"David Copperfield"

Cambridge

Ther

Sunday, Dec. 8, 1918

Wea

Dull

Dark cloudy with some fine, snowing rain, coating our city sidewalks with glare ice more dangerous for pedestrians to traverse.

No bird of any kind seen or heard by me. My opportunities for such observation were limited, however, to those afforded by the big plate glass windows of the Den within which I sat most of the time reading a little & watching the aquatic life of the aquarium every now & then. My cold still hangs on but is no longer very distressing. Dr. Stearns came to see me in afternoon and Miss Dwyer to dinner with E. R. S. & me at 1.30. Jack Jones & his entire family (except Johnny, still in a French Hospital) came to see E. R. S. & Miss Dwyer called on her & me in late P.M. She read David Copperfield this evening. What a wonderfully perfect story it is!

Cambridge

Ther

Monday, Dec. 9, 1918

Wea

Fine

Sunny calm & mild. Snow melting fast. Sleighing ruined & everything again on wheels before night.

Crows heard cawing in windows. No other birds attracted my notice.

The throat cold still lingers and has confined me to the house for a third protracted & rather tedious day passed mostly in the den either because of it or of the drugs Dr. Stearns is giving me I could read but little & was so overpowered by drowsiness as to slumber home after hours by the open fire.

Miss Balch's presence at luncheon brought a pleasing diversion although I had too little voice to talk with her freely. E. R. S. read a fine chapter from David Copperfield in the evening, which I keenly enjoyed. It was the splendidly decorated one in which little Emily's elopement with Steerforth becomes known to the Peagot family & to David.

Cambridge.

Ther

Tuesday, Dec. 10, 1918

Wea
Fine

Clear & cool with fresh westerly wind. Snow thawing but little. City streets still bordered by it but considerable portions bare or strewn with fragments of dirty ice.

No birds seen or heard. But that affords slight evidence of their total absence for my opportunities of noting them were limited to their appearance on occasional glances from the den window within which I spent another day accomplishing nothing save some desultory reading. E. R. S. has now developed a throat cold similar to mine. Dr. Stevens called to see us both. G. L. G. sent out some cheques to Sigis & Cather for me to read & perhaps also endorse. So the day passed, somewhat wearily as idle days must. E. too began to read about this time so I played the Victrola to her & read a delightful letter that came from Herbert Gardner this morning.

Cambridge.

Ther
20°

Wednesday, Dec. 11, 1918

Wea
Dull.

Dark cloudy & cold with light snowfall towards evening.

To me a lonely and depressing day of continued imprisonment in the Den for my cold is still troublesome & indeed more discomforting in certain ways than during its earlier stages. It now especially affects my eyes making any long continued reading quite impossible but I did manage to write several short letters & one fairly long one.

The only bird noted during the day was a Crow, heard cawing after 5 P.M. Gilbert & Percy motored to Concord in P.M. bringing back some 14 small white juncos cut by Jeph a month ago. I had arranged with him to cut a lot of others about this time but, as I learned last Friday, he has removed to Carlisle & is cutting cord wood for someone there; This will deprive us of much song that we had planned to give Miss Thompson & Dr. John Church but they will have come I trust. Usual evening reading by E. R. S.

Cambridge

Ther Thursday, Dec. 12, 1918 Wea
Dull.

Cloudy with some drizzle of fine, misty rain, which obliterated all trace of the light snow that fell early evening and filled the streets with slush.

Although feeling somewhat better I kept in doors through another weary day doing nothing useful save by writing a few letters.

Dr. Stevens says I must not think of going out, even to the Museum, at present. He called at 4 P.M.

Spent upwards of half an hour with me. His impression seems to be that the Spanish influenza is now as prevalent as ever in & about Cambridge. Porto Rico, according to his son just back from there, has upwards of 100,000 cases. 30% of the people in Samoan Islands have recently died of this same dread disease.

Harry Johnson dropped in after supper for a friendly chat.

Cambridge

Ther Friday, Dec. 13, 1918 Wea
Dull.

Dark cloudy with fine rain falling intermittently, keeping streets & sidewalks continuing wet. A thick blanket of unbroken, soggy snow still covers most ground surfaces. For three days past all landscape to be seen from our windows has worn a depressingly dreary aspect.

Still another day of solitary confinement to the Den where I read & smoked a little, slept a good deal and wrote letters when eyes & head did not ache too much.

C gave us a delightful surprise by appearing suddenly in the hall about 3 P.M. She was with E. H. S. perhaps half an hour, with me 15 or 20 minutes.

Charlotte came with her. They both leaving ball with them.

Prof. J. K. Bord called at 5 P.M. staying half an hour. He will go South early in January. E. H. S. read only from the Transcript this eve.

Cambridge

Ther Saturday, Dec. 14, 1918 Wea Dull.

Low-hanging clouds, slow-rising mists and incessant if light rainfall have combined to make this short December day seem endlessly long and unutterably dreary—at least to me confined as before to the house with nothing more profitable to do than writing a few letters.

Dr. Stevens came to see me at 6 P.M. & after that I had a short talk with Sarah & Tiny. Some one called on E. H. D. We have just finished the usual evening reading in the hall.

The snow has coasted past & left much tufts of still green grass are appearing here & there on our front lawn.

Holman sent up a dozen enlargements of Mrs. Farley's youthful tin-type this morning. Keeping two copies for myself I have mailed eight to Mrs. F., one to Henry Henshaw & one to Ruthven Deane. The pictures seem an excellent reproduction of the tiny originals.

Cambridge

Ther Sunday, Dec. 15, 1918 Wea Dull

Cloudy but less darkly so than during past few days. Heavy, warm rain last night had removed almost every vestige of snow by day break this morning. Our lawn thereby fully reexposed to sun appears scarce less vivid green than it did a month or more ago. The snow blanket has no doubt shattered in from recent bitter cold.

Garden Birds. A Chickadee & a Hairy Woodpecker both heard calling, apparently in the lindens, whenever their voices reached my ear through a partly open window.

Still another day passed wholly within doors & mostly in the Den. Words letters in forenoon. Mrs. Stone & Miss Allyn with us at dinner. Before they had gone Charlie Bond appeared to be followed by Dick Dana & by Harry Bartlett. So the afternoon sped most pleasantly with much friendly chat. Usual evening reading by E. R. S.

Cambridge

Ther Monday, Dec. 16, 1918 Wea
Dull.

For six consecutive days including this there has been no ray of sunlight, however dim & fleeting. But even beneath such ever-lowering skies it is good to see green grass again and to feel no pinching cold.

Garden birds: Crows cawing not far off. A Sparrow that looked like a Tree Sparrow, but could not certainly be identified as one because I had no glass at hand, was eating seed thrown out in our clover yard.

To day has been passed like all the rest of late in reading, writing letters & napping by an open fire in the Den. Gilbert returned to Concord, bringing back 4 Christmas pines for our front hall & the Cobb-Tulb. & 5 fresh-laid hen eggs - our first; also bags of rye, cracked corn & corn meal. Miss Balch dined with us. E. K. d. read to me from Transcripts after supper. Messages from friends with Christmas cards & letters.

Cambridge

Ther Tuesday, Dec. 17, 1918 Wea
36° May. Mapped

After continuing obscured by heavy clouds all the forenoon the sun reappeared, for the first time in upwards of six days, and shone brightly through most of the afternoon. A light, cool northerly wind.

Garden birds. 3 Crows perched in Hubbard Park, 3 Chickadees flitting together through our old lilacs just before sunset.

This day spent by me like so many of those preceding it, in the house Den, writing letters, reading the newspapers etc. More than this could not well be accomplished for the cold still fingers distressingly & my eyes are so troublesome that they will not serve me continuously for more than an hour or two at any one time.

E. K. d. busy getting off Christmas things. She read to me as usual this eve. I offered a dozen wreaths made by George to Mrs. Weston for St. John's & am to send them there on Monday.

Cambridge

Ther Wednesday, Dec. 18, 1918 Wea
Fine

Cloudless, almost windless, scarce
seasonably cool. Altogether a very
pleasing day for this time of year.

Garden birds. At least 5 or 6 I thought
6 Chickadees near together in trees &
shrubbery between clothes yard &
Museum gate. Gilbert reports them
eating sweet, also. Several Crows
cawing vociferously in or near the
lindens.

Despite the fine weather I did not
feel justified in disregarding Dr. Stevens
urgent advice to remain within doors
until my physical condition has
further improved. When he came
to see me this afternoon I expressed
a strong wish to be at Roland Thaxter's
We Dine this evening but he would
not hear to it. Perhaps he is right
for throat & head discomfort is still
much in evidence. My day was

Spent in Dec working letters & chapters.
Received legacy check of \$100.67 from
estate of J. W. V. L. Swallow

Cambridge.

24 Ther Thursday, Dec. 19, 1918 Wea
20° Fine

Weather very like that of yesterday
but much colder, the ground frozen
hard again. but grass still green.

Garden birds. Two Crows in
the lindens were the only birds I
saw. I saw a single House Sparrow
in our clothes yard.

Another day spent indoors &
chiefly in the "Dox". I have hoped to
do something useful & thrown
hard enough to do so but was
overcome by drowsiness to such
a degree that it was impossible
to keep long awake. These mortifying
conditions must be due to some
physical disturbance resulting from
my cold.

Mrs. George Simmons & her unmarried
sister called on us this evening
staying about an hour.

Cambridge.

Ther Friday, Dec. 20, 1918 Wea
Christmas Carols by Mrs. J. S. Childs Fine.

Since 8 o'clock yet mild-seeming
occurrence of entire absence of wind.

Garden birds. Several chickadees,
a Downy & two or three crows, all
heard, only.

Dr. Stevens came to see me at noon.
I had then been asleep in my armchair
most of the time since breakfast.

He says these conditions are perfectly
natural outcomes of my general illness
& should not either disturb or
mortify me. He thought a short
walk might do me good, so I took
one just after lunch, going up
Brattle St. to the Old Nichols house
& back by Cambridge & Porter Sts.

Gilbert returned in consequence
of illness, bringing back 15 Plymouth
Rock tablets for Percy to keep here
through winter.

Miss Thompson & her school children
came about 8 P.M. to sing Christmas
carols in our driveway, after their usual
custom. Lopsy had gone to her bed
along way back to receive them with
light candles & after words of thanks.

Cambridge.

Ther Saturday, Dec. 21, 1918 Wea
Fine.

To day has been very like yesterday
but even warmer & more suggestion
of Indian summer. These conditions
make life out of doors very pleasant
but within our furnace pours out
much more heat than is desired
and open fires no longer brighten
any of the rooms.

Garden birds Chickadees, crows &
blue jays heard.

Diurnal drowsiness continues to
be the bane of my existence. Although
struggling against it all day long
I kept falling asleep & surely
could not accomplish anything
in the way of work. Even
a walk of a mile or more, taken
just before our noon dinner,
failed to dispel the lethargy
that so overpowers me.

E. R. S. went to Warr Hall to see to
C. This afternoon. She read to
me an ideal after supper.

Cambridge

Ther

Sunday, Dec. 22, 1918

Wear
Fair.

Early morn sunny. Mostly thin
cloudy after 10 A.M. Air warm
& almost perfectly windless.
Lawns as green as ever. Little
or no frost left in ground.
(Raining at 9 P.M.).

Garden birds. Chickadees, Robins &
" Jay, heard.

Started for a walk at 10.30. Met
Jowasson on Brattle St. & accompanied
him to the Drinker house on
Higbland St. Kept on thence up
Brattle St. to the Gray place where
a Downy Woodpecker & a Starling were
seen. Also 10 Gulls high overhead,
on their way to Fresh Pond.

Miss Allyn & Miss Hopper
at dinner with E. K. S. & me.

We had a roast Concord/Cornell.
They departed about 3.30; after that
I wrote letters & had a nap.

Cambridge.

Ther

Monday, Dec. 23, 1918

Wear
Fine

Clear, calm, mild. Real Indian
summer weather. A warm rain
last night washed everything clean
& left the grass on our lawn as
 vivid green as it was three months
ago.

Garden birds. A Gold-Crest & a
Chickadee together in shrubbery by
Museum gate; 6 Cedar birds eating
hawthorn berries in line at rear
of house; a Blue Jay screaming &
several Crows cawing.

It was interesting to see the cedar birds
visit the Parkman's apple singly &
inspect its abundance & conspicuous
position not as yet tampered by frost & then
returning, apparently for they
ate but little of any of it.

Another day spent mostly
in the house. Walked up Brattle St.
to Nichols house at noon & thence
escorted Lucy Dexter & May to their
house. C. W. Harty came by appointment
at 2 P.M. to talk over affairs at Washington
He stayed almost 2 hours. Charles
Lamb came in 8 & left at 9.30 P.M.

Cambridge

Ther

Tuesday, Dec. 24, 1918

Wea
Dull.

A bright rosy sunrise followed
by a dull, cloudy day ending
in a warm rain as twilight fell.

Garden birds. A chickadee, a crow,
10 Starlings perched in tree top
in jungle.

Spent most of day in morning,
writing letters, starting out in afternoon.
I took Christmas cards to various
houses in the neighborhood, including
the always warm Junior received
me very cordially & talked interestingly
of his gas mask work & how it has
been applied to the activities of our
Army in France.

Cambridge

Ther

Wednesday, Dec. 25, 1918

Wea
Dull.

Literally a green Christmas as
regards our lawns, verdant with
grass & showing no trace of snow or
frost, but a rather gloomy & dreary
also because of dark lowering skies
& some drizzling rainfall. There
was little or no wind stirring.

Garden birds. Ten or a dozen Starlings
busily eating Parkman apples; a
Hairy Woodpecker high in Catalpa
front of Museum.

C. came to lunch with E. K. S. & me
for the first time in his house.
Since Sept. 5, I have brought her
up by motor at 11.45 & took her back
at 5. She first visited the poultry yard
& was much pleased with the 16 Plymouth
Rock chickens. After dinner I played
3 records, "The Dawn," "Early morning
Glee" & "Christmas Carols," & we had
a good talk by hall fire.

Called on neighbor Mrs. at 5 P.M. &
talked with her 2 hours. He discussed
the present economic social conditions
with remarkable intelligence & reasonableness.

Cambridge.

Ther Thursday, Dec. 26, 1918 Wea
Dull.

Dark cloudy with an inch or
so of wet snow falling just
before and after sunset,
whitening all grassy surfaces
but melting for the most part
on stone or asphalt ones.

Garden birds. A Starling seen,
Crows & a Jay heard.

In the house all day. Slept
most of forenoon. Wrote to
Dr. Gehring in late P.M.

Dr. Stevens called as twilight
was falling. He seemed
disappointed to find me in
no better shape but new Tonics
will be tried. He wishes me
to see Dr. Gehring if possible.

The latter has just sent us
word that he, Mrs. G., Bingham
& Miss Pease will go to California
in early January to remain there
all winter & perhaps longer.

E. R. S. read David Copperfield
to me after supper.

Cambridge.

Ther Friday, Dec. 27, 1918 Wea
Dull.

Cloudy, calm, chilly. Surface of
ground & snow that fell yesterday
stiffened somewhat by light frost.

Garden birds. 6+ Chickadees in willows;
2 Downy Woodpeckers & one Hairy;
a Crow on wing; 4 Pine Grosbeaks
and about 15 Starlings, eating
Purshian apples; 14 (counted) Goldfinches
eating seeds of Canada Berries, at head
of Garden. Three of the Grosbeaks looked
like young ♂♂, the fourth like a ♀.

Accompanied by his handsome little
brown pointer dog Outram Bangs
came at 9 A.M. to pass entire forenoon
with me in Museum looking over
bird skins & selecting some that
he desired to use in exchange. He
also brought back very many which
he & Batchelder borrowed for study
last spring. I enjoyed seeing both
him & the dog & was sorry to have
them depart at 1 P.M.

Wrote a little after that.
Usual evening reading.

Cambridge

Ther
24°

Saturday, Dec. 28, 1918

Wea
Fair

Mostly cloudy but with occasional short periods of bright sunshine. Light northerly wind; reasonable temperature.

Garden birds. 2 Chickadees in snet, 4 Starlings in Parkman's apple tree (with 2 Gray Squirrels).

Gilbert motored C. in town this morning. I was about to go with him to Harvard Square when a messenger from our State St. office brought out all our quarterly Estate cheques for my signature. This delayed me until 10.45 when there was barely enough time left for me to reach Dr. Andrews' office on foot. The elder Andrews is ill with grippe so his son replaced my bare front. Bath, filling, after which I had hair cut by Marks & then walked home to find C. awaiting me at lunch - a glad surprise. After it we had Dietrich's music. Then left about 3 P.M. when Kenneth arrived to discuss egg boxes etc. E. R. S. lunched at City Club Boston with Miss Ireland & her pupils.

Cambridge

Ther
38° max.

Sunday, Dec. 29, 1918

Wea
Fine

Cloudless, windless, comparatively mild. Altogether a pleasant & comfortable day for this time of year.

3 House Sparrows, pecking at horse droppings in Brewster Street, were the only birds that attracted my notice.

Spent forenoon in house, sleeping most of time. For the drowsiness that came over me when I seated myself to read or write could not be resisted by any means within my ken, at least within doors. To escape it in afternoon I made a round of neighborhood calls. Miss Allie dined with us as usual. E. R. S. read from "David Copperfield" to me after supper (as the always I saw Mr. & Mrs. Betty & her children, Mr. Cobb, Senior & his daughter; at the Spelmans, only Mrs. S.; at the Deans, no one).

Cambridge Cambridge

Ther

Monday, Dec. 30, 1918

Wea
Fine

Clear & cool with light northerly wind. The sunbeams gave cheer to a wintry landscape but had scarce warmth enough to melt the thin mantle of snow that covers most earth surfaces hereabouts, although all our city streets & sidewalks are quite free from it now.

Garden birds: 2 Starlings in Parkman apple tree; Jay heard screaming.

Spent forenoon in house & Museum writing letters & cheques for bills. Miss Balch came to lunch with us. After it I walked to Harvard Square where the younger Dr. Andrews took X-ray photographs of most of my teeth, exposing 5 plates in all. It was wholly painless & soon over.

After that I called at Harvard College for a diary & at O'Brien's about framing some pictures. Walked home in gathering twilight. Much ice. Reading.

Ther

Tuesday, Dec. 31, 1918

Wea
Dull.

Cloudy with a bitter chill in the light northerly wind. It brought snow flurries every now & then but no more than sufficed to whiten the ground by nightfall. There is little or no old snow left & the ground is not deeply frozen. When the surface was still soft a few days ago I noticed the pointed little green nose tips of squalls & snow drops showing above it an inch or more. Miss Balch told me yesterday that there are snow drops in full bloom somewhere in Scott Street.

Garden birds. Crows & Jays heard.

Spent forenoon in Museum, writing a few letters. Dr. Stevens called on me there. He insists that I must yield to, not resist, my tendency to drowsiness. He came on shortly after luncheon & I slept it off in a couple of hours. Much snow falling in hall.

Birds at Bethel, Me., June 10-15

Memoranda

1. Robin. Many ad., sev. juv., village lawns.
2. Hermit T. 1 ♂ near Shack, 1 ♀ near Fiddie's camp.
3. Veery 1 ♂ " Doctor G's house.
4. Cat-bird 1 silent. " " lawn shrubbery.
5. Bluebird 1 ♂
6. Chickadee 1 silent, in mixed woods.
7. House Wren 2 ♂♂ in village (one near Fiddie's Inn)
8. Nashville W. 1 ♂ near Dr. G's.
9. Yellow " 1 ♂ " Inn in village.
10. Magnolia " 3 ♂
11. Yellow-rump " ♂ & ♀ Dr. G's shrubbery.
12. Chestnut Side " 1 ♂ near of Fiddie's
13. Oven bird 2 ♂
14. Maryland Yl. Thrush 1 ♂ near of Fiddie's
15. Redstart 3 ♂ in village, 2 ♂ in woods.
16. Solitary V. 1 ♂ near Shack.
17. Red-eye " 3 ♂ in village, 2 ♂ in woods.
18. Warbling " 1 ♂ " " n. end of Common.
19. Cedar bird Several pairs in village clump.
20. Barn Sw. Only 2 or 3.
21. Tee " One on way in village.
22. Purple F. 4 or 5 ♂♂ singing daily in village & Dr. G's.
23. Goldfinch. Sw. on way.
24. White-thr. Sp. 1 ♂ near Dr. G's house.

Memoranda

- One Tappan's reflecting on window. See Diary for June 15.
25. Chaffy. Many scattered throughout village.
 26. Turkey ♂ & ♀ near Dr. G's house.
 27. Song Sp. Sev. ♂♂ near Dr. G's.
 28. Rose-br. Gros. 1 ♂ singing daily " "
 29. Bobolink 1 ♂ near Chair factory.
 30. Bal. Oriole 1 ♂ in village clump near Common.
 31. Br. Grackle 2 on " lawn.
 32. Crows Several.
 33. Kingbird " in village clump.
 34. Phoebe 1 ♂ near Inn.
 35. Alder T. 1 ♂ near of Fiddie's.
 36. Loose - Several ♂ in village orchards.
 37. Hummer One or more daily at Dr. G's house. 3 came down chimney into Dr. G's room.
 38. Swift. Several constantly in light over village.
 39. Whippoorwill 2 ♂♂ after off W. fr. h. ev. June 10.
 40. Flutter 1 in field.
 41. Pileated W. Fresh well holes old nest. See diary entry for June 17.
 42. House Sparrow. Two or three pairs nesting under caps of electric lights about village Common.

Birds at Glendale, Mass., Aug. 13-

Memoranda

1. Robin 14² 15' 18' ^{ad. with} 19 ^{white} ^{young}.
2. Cedar bird 14 ^{hd} 15 ^{hd}.
3. Red-eye 14² 15² 16² 18² 19² 20² 21²
4. Nuthatch 14² 15² 16² 18² 19^{hd} 20^{hd} 21^{hd}
5. Goldfinch 14² 15² 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
6. Song Sparrow 14² ^{juv}
7. Chipping 14² 15² 16² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
8. House Wren 14² 15² 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
9. Kingbird 14² 15² 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
10. Wood Pewee 14² 15² 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
11. Whip-poor-will 14² 15² 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
12. Red should H. 14² 15² 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
13. Broad wing 14² 15² 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
14. Green Heron 14² 15² 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
15. Purple Finch 15² 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
16. Bal. Oriole 15² 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
17. Barn Swallow 15² 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
18. Song 15² 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
19. Wood Thrush 15² 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
20. Chickadee 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
21. Crested Flycatcher 15² 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
22. Hummingbird 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
23. Crow 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.
24. Blue Jay 16² 17² 18² 19² 20² 21² ^{ad. with} ^{white} ^{young}.

Memoranda

25. Least Pewee 17'
26. Hermit Thrush 17' ^{hd} ^{clerk} ^{with}
27. Black thr. Green W. 17' ^{hd} ^{call} ^{with} 20² ^{juv}
28. Flicker 18' 21'
29. Black bill Cuckoo 18'
30. Partridge 17' ^{brood} ^{of} ⁶⁺ ^{young}.
31. Oven bird 18'
32. Indigo bird 18² ⁱⁿ ^{corn}
33. House Sparrow 19' ⁱⁿ ^{spruce} ^{the} ^{front} ^{of} ^{house} ^{place}
34. Black & White Creeper 19² 20²
35. Black thr. Blue W. 20² ^{hd}
36. Downy Woodpecker 20² ⁱⁿ ^{apple}
37. Rose br. Grosbeak 20² ^{hd} ^{call} ^{with} 21² ^{hd}
38. Bobolink 21' ^{flight} ^{call} ^{heard} ^{faintly}
39. Maryland G. Thrush 21' ^{near} ^{Glendale} ^{R.R. Station}

Migration

Aug. 13. Heavy noc. flight Warblers 9-11 P.M.
 " 14 " " " " " " "

Birds in our Garden.

Cambridge, JANUARY. 1918

		Received.	Paid.
1	Chickadee 1 ⁶ 2 sev. 3 sev. 5-3 6 ⁴ at 7 4 ⁸ sev.		
2	House Sp. 1 ¹² 2 ²⁰ 3 ²⁰ 4 ⁴ 5 ⁶ 6 ⁴ 7		
3	Starling 1 ⁱⁿ P. app. 6 ¹² 7 ¹² 8 ¹² 9 ¹² 10 ⁸ do.		
4	Blue Jay 1 ¹ 2 ^{hd.} 3 ^{hd.} 4 ^{hd.} 6 ^{hd.} 11 ¹ 12 ¹		
5	Crow 1 ³ eating seeds in mus. catalfa 2 ^{hd.} 3 ¹ on 5 ² do. 8 ^{hd.}		
6	White-throated Sp. 3 ¹ in in clothes yard 7 ¹ chirping in air		
7	Flicker 9 ⁸ eating Parkman with Starling 15 ¹ on Sycamore tree attack bark		
8	Cedar bird 12 ⁸ eating Park. apples.		
9	Butcher bird 18 ⁸ in apple tree with Chickadee (See Diary)		

Birds in our Garden.

Cambridge, JANUARY 29⁴ 30²

Date.	Received.	Paid.
22 ² 23 ² 24 ^{hd} 26 ⁴		
9 ^{sev.} 10 ² 11 ² 12 ² 15 ² 17 ² 18 ⁸ + nothing a Shrike 19 ² 20 ⁴ 21 ^{sev.}		
8 ⁹ sev. 10 ¹³ 13 ¹ 30 ³ in clothes yard. 31 ³ do. (29 ⁴ do)		
11 ² do. 12 ² do. 15 ³ do 16 ^{do} 17 ⁸ do. 23 ¹⁰ do. 25 ⁶ do. 26 ⁷ do.		
15 ¹ 16 ¹ 25 ¹ 27 ² 29 ¹ 30 ¹		
10 ^{hd.} 22 ² on lawn 23 ¹ in jungle. 30 ^{hd.}		
17 ⁸ eating Park app. 23 ⁸ do 24 ⁸ do. 27 ⁸ on jun tree		

Birds in our Garden, Cambridge

CASH ACCOUNT. FEBRUARY.

Date.	Received.	Paid.
1	Robin 1 st in Paffer.	
2	Starling 1 st in Paffer 2 nd do	
3	Jay 1 st do. 2 nd 3 rd 4 th 5 th do. 6 th do 7 th in 9 th 2 nd lilacs	
4	Chickadee 2 nd 5 th do. 6 th do 8 th 9 th 10 th 11 th 12 th	
5	Flicker 2 nd in Park off. 3 rd 5 th do. 6 th do 7 th 22 nd do	
6	Crows 2 nd do 3 rd do 7 th do 10 th do 11 th do 13 th	
7	House Sparrows 8 th in clover 22 nd 1 st dead bird	
8	Warblers 22 nd 1 st in bird, eating a	

Birds in our Garden, Cambridge

CASH ACCOUNT. FEBRUARY.

Date.	Received.	Paid.
10 th 11 th 12 th 13 th do. 14 th 17 th do 22 nd 2 nd in lilacs 26 th do		
12 th 13 th do 14 th do 18 th do 19 th do 21 st do 23 rd do 25 th		
27 th Parry Harris 1		
17 th 19 th 22 nd 26 th 28 th		
24 th in garden 9.30 a.m. Sweet singing, as heard notes		
25 th Parry		

Birds in our Garden, Cambridge.
CASH ACCOUNT. MARCH.

CASH ACCOUNT. MARCH.

Date.		Received.	Paid.
1	Chickadee 2 hd.	5-2	
2	Crow 2 ^{sw. hd at} 3 do 4 ^{5 in} lunders 5-hd		
3	Blue Jay 4 3. in 5 hd.	23 ² 25 ¹ 2	
4	Robin 25 ¹ in lunders 3 do at		
5	Br. Grackle 23 ¹⁵ 24 ¹⁰ 25 ⁶ 26 ⁴		
6	Fox Sparrow 23 ³ 24 ³ 25 ² 26 ² 2		
7	Song " 23 ¹ 28 ¹		
8	House " 22 ⁵ 23 ³ 24 ³ 25 ² 26 ³		
9	Downy W. 23 ⁹ at 28 ¹ key,		
10	Flicker 24 ⁸ 29 ¹ 31 ² 32 ¹		
11	N. Shrike 26 ¹ 4. 5. thr. lunders chasing		
12	Junco 28 ¹ in lunders.		
13	Goldfinch 29 ¹ high call		

CASH ACCOUNT. MARCH.

CASH ACCOUNT.

MARCH.

Date	Received.	Paid.
4 24 ⁴ 25 ⁻² 27 ² 28 ² 29 ² 31 ³		
8' 29' 31 ²		
28 ² on 29 ¹ at eve. in Canon 29 ¹ includes 30' 31 ⁴ at 27 ⁴ 28 ⁶ 29 ⁶ + 30 ³ 31 ⁵ 28' 29'		
27' 28 ⁷ 29 ⁵ 30 ⁵ 31 ⁵		
31 ⁵		

Birds in our Garden, Cambridge
CASH ACCOUNT. APRIL.

CASH ACCOUNT. APRIL.

Date.	Received.	Paid.
1	Robin 1 $\frac{2}{x}$ at 2, 3' 4' 6 $\frac{3}{x}$ 7 $\frac{2}{x}$ 8 $\frac{3}{x}$ 9 $\frac{3}{x}$ 10 $\frac{2}{x}$	
2	House Sp. 16 + 264 68 + 816 + 9 ^{new} 15 ^{new} 16 ^{new}	
3	Br. Grackle 1 7 ⁺ mating 25 - 4 $\frac{5}{x}$ 5' 6 $\frac{5}{x}$ 8 $\frac{8}{x}$ 9 $\frac{8}{x}$ 10 $\frac{2}{x}$	
4	Flicker 1 $\frac{2}{x}$ 8 $\frac{1}{x}$ 20 $\frac{7}{x}$ on ground 28'	
5	Can. Geese 1 flock heard in distance westward at 4 P.M.	
6	Fox Sparrow 2' 3' 4 $\frac{1}{x}$ 5' 6'	
7	Crow 1 nd at 2 nd 3 $\frac{4}{x}$ in blinds 9 $\frac{2}{x}$ 16 $\frac{2}{x}$ 19 $\frac{4}{x}$	
8	Blue Jay 3 $\frac{2}{x}$ in blinds. 7 $\frac{2}{x}$ 8' 11' 13 $\frac{2}{x}$ 15 $\frac{2}{x}$	
9	Sparrow Hawk 6 $\frac{2}{x}$ 7 $\frac{2}{x}$	
10	Juncos 8' 25 $\frac{2}{x}$ 26 $\frac{2}{x}$	
11	Downy W. 15' in jungle. 20 $\frac{2}{x}$ 22' 23' 27 $\frac{2}{x}$	
12	Starling 16 $\frac{2}{x}$ in Parkman 22' in willows 27 $\frac{15}{x}$ + Hubbard $\frac{2}{x}$	
13	Hermit Thrush 19' in jungle 2 in grounds of Mr. Spelman 20' 22 $\frac{2}{x}$	
14	Swamp Sparrow 23 $\frac{2}{x}$ in thick by Mrs.	
15	Sapsucker 25 $\frac{2}{x}$ at in jungle 26 $\frac{2}{x}$ at in jungle	
16	Chippy 28 $\frac{1}{x}$ (Hubbard) 30 $\frac{1}{x}$ (Hubbard) Park	

CASH ACCOUNT..... APRIL

27 APRIL 28 230 52

Date.	Received.	Paid.
2389 2489 2589 2689		
12' 13' 14 ⁸⁹ 15 ⁸⁹ 16 ⁸⁹ 17 ⁸⁹ 18 ⁴ 19 ² 20' 21 ² 22 ²		
17 ⁴ 18 ^{1w} 19 ⁶ 20 ⁶ 22 ⁶ 23 ⁶ 24 ^{4w} 25 ^{4w} 26 ⁹ 27 ¹²⁴		
12 ² 13 ³ one 8 ad badly injured & moping 16 ¹⁵ 17 ¹⁰ 18 ^{1w} 19 ^{4w} 22 ³ 24 ³		
25 ⁹ 26 ⁷ 27 ⁵ 28 ⁵ 30 ⁷		
24 ² 25 ² 26 ²		
18 ² 23 ² 24 ² 25 ² 26 ⁸⁹ at work on 82 fig. most of arboreal station in jungle 27 ⁸⁹ nest 28 ⁸⁹ another of 2		
30 ^{4w}		
23 ¹ 25 ² on ground in garden 26 ² do 27 ² do 28 ¹ do		
27 ⁸ juv. (no nest) 28 ⁸ ad in jungle 30 ⁸ ad do		

Birds in our Garden, Cambridge
CASH ACCOUNT. MAY.

Birds in our Garden, Cambridge
CASH ACCOUNT. MAY.

Date.		Received.	Paid.
1	Robin 1 ♂ 2 ♂ 17 ♀ 29 ♂ ad + 30 ♂ ad Young 2 signs		
2	Hermit Thrush 1		
3	White-thr. Sparrows 1 ♂ ad 2 ♂		
4	Blue Jay 1 ♂ 2 ♂ 17 ♂ on nest in Hawthorn 29 do 30 do		
5	House Sparrow 1 seen 29 2 30 2		
6	Purple Finch 2 in 9 fl. front of house.		
7	Chiffy 17. in lilacs 30. do.		
8	Swainson Th. 17. " (calling frank) 29 ♂ 30 ♂ 31 ♂		
9	Bab. Oriole 17 ♂ in singer 30. %		
10	Browed Grackle 17 ♂ on lawn. 29 ♀ do. 30 ✓		
11	Black-bell Warbler 29 ♂ 30 ♂ 31 ♂		
12	Redstart 29 2 in 9 fl. 30 2 do 31 ♂		
13	Yellow-bellied Fly. 29 2 in lilacs calling for-e 30 one in orchard & land.		
14	Crows 29 ha 30 2 in lawn		
15	Red-eyed Vireo 29 ♂ 30 ♂ 31 ♂		
16	Chimney Swift 30 ✓		
17	Rose br. Grosbeak 31 ♂		

CASH ACCOUNT. MAY.

Date.	Received	Paid.
30'		

CASH ACCOUNT. JUNE.

Date.	Received.	Paid.
22 ^{serv} in cherry trees 23 ^{4 ad} on lawn 29 ¹ at	30 ^{6 ad. 4 or 5 young, one} first out of nest	
24 ¹ 29 ¹ 30 ¹		ad. followed 30 ⁶ full stage
17 ^{1 ad} Young gone fr. nest. Percy saw them leaving it on the 14 th	18 ¹ 20 ¹ at colony	23 ¹ 24 ¹ bid.
17 ^{do} 20 ^{4 do} 22 ^{2 do} 23 ^{3 on} lawn		
9 ¹ in 15 ¹ mixed 16 ¹ jungle 17 ¹ colony	24 ¹	
9 ¹ in 15 ¹ mixed 16 ¹ jungle 17 ¹ colony		
30 ¹		
20 ⁶ 22 ^{serv} do. 22 ^{do}		
30 ¹		
30 ¹ probing cracks in stone flagging in front of house.		
also 1 ¹		

CASH ACCOUNT. JUNE.

Date.	Received.	Paid.
22 ^{serv} in cherry trees	23 ^{6 ad} on o fir lawn	29 ¹ at wt
24 ¹ 29 ¹ 30 ¹	30 ^{6 ad 4 or 5 young, one} 2 ¹ first out of nest	ad followed 30 ⁶ full stage young
17 ^{1 ad} Young gone fr. nest. Percy said then leaving it on the 14 th	18 ¹ 20 ¹ at colony	23 ¹ 24 ¹ hd.
17 ^{do} 20 ^{4 do} 22 ^{2 do} 23 ^{2 on} lawn		
9 ¹ in jungle	15 ¹ mixed Cide	16 ¹ jungle 17 ¹ colony cherry 24 ²
30 ¹		
20 ^{6 t} do.	22 ^{serv} do.	
30 ¹		
30 ¹ probing cracks in stone flagging in front of house.		
also 1 ¹		

Birds in our Garden, Cambridge.

CASH ACCOUNT. JULY.

	Received.	Paid.
1. Robin 1 ^{ad} 2 ^{do} 4 ² 5 ^{2ad} 8 ^{1at} 14 ^{2at}		
2. Red-eye 1 ^{ad} 2 ³ 4 ^{3ad} 5 ¹ 8 ¹ 14 ¹ 15 ¹ 16 ¹		
3. Chiffy 1 ¹ 2 ^{1ad} 4 ¹ 5 ^{1ad} 8 ¹ 14 ¹ 15 ¹ 16 ¹		
4. House Sp. 14 23 48+ 5 ¹⁰⁺ 14 ² 15 ² 16 ² 21 ^{6on}		
5. Blue Jay 1 ^{hd} 15 ¹ 20 ^{hd} 22 ¹ 23 ¹ 26 ¹ 29 ¹ 30 ¹		
6. Kingbird 1 ¹ 2 ¹ 4 ¹ 5 ¹ 8 ¹ 14 ¹ 15 ¹ 16 ¹ 17 ¹ 18 ¹ 19 ¹		
7. Oriole 1 ^{ad} 20 ^{ad} (full song twice about 8 a.m.) 25 ^{hd}		
8. Swift 2 ^{4at} 15 ^{2at} 16 ^{4at} 18 ^{2at} 19 ^{hd}		
9. Flicker 4 ³ⁱⁿ 1 ^{probing} 5 ¹ 15 ¹ 16 ¹ 17 ¹ 18 ¹		
10. Brown 15 ^{hd} 16 ^{young} 24 ^{1hd} 26 ^{hd}		
11. Grackle 16 ¹² flying 19 ² do: 21 ^{2on} 22 ²		
12. Goldfinch 16 ^{2ad} 17 ¹ 18 ¹ 19 ¹		
13. Screech Owl. 21 ¹ (unsure bird in jungle, robbled by heat of infuriated Robins at nightfall.)		
14. Black & White Creeper 21 ¹ 22 ¹ 23 ¹ 24 ¹ 25 ¹		
15. Oven Bird 22 ² on ground by 23 ^{do} 24 ¹ 31 ³ⁱⁿ		
16. Cedar bird 25 ² 26 ³ in rum cherry by Mrs gate (first green) 28 ² do.		
17. Golden-wing W. 30 ^{ad} 31 ^{ad} (Keeping mostly low in jungle under grass with 4 Minutillas.)		
18. Yellow Warbler 31 ^{ad} (Keeping mostly in grape arbor. Pretty birds in fresh & perfect anti. pl.)		

CASH ACCOUNT. JULY. ^{1ad} 31²

Date.	Received.	Paid.
23 ² 24 ⁸⁺ 25 ¹⁺ 26 ⁶⁺ 28 ⁴ 29 ² 30 ^{1ad} 31 ²		
15 ¹ 16 ¹ 17 ² 18 ² 19 ² 20 ^{1at} 21 ² 22 ¹ 23 ¹ 24 ^{2ad} 26 ² 28 ¹ 29 ^{2ad} 30 ¹ 31 ¹		
17 ¹ 18 ¹ 19 ¹ 20 ¹ 21 ¹ 22 ¹ 23 ¹ 24 ¹ 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹ 30 ¹ 31 ¹		
17 ¹ 18 ¹ 19 ¹ 20 ¹ 21 ¹ 24 ¹ 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹ 30 ¹ 31 ¹		
25 ^{1ad} 30 ⁴ 31 ^{6on}		
31 ¹		
20 ^{hd} 21 ^{hd} 23 ^{hd} 26 ^{hd} 28 ^{hd} 29 ^{hd} 30 ^{hd} 31 ^{hd}		
26 ^{do} 31 ¹ (ad. moulted & ragged 1 juv. ♀ in ant. pl.)		
20 ^{2at} 21 ^{1at} 23 ^{do} 24 ^{do} 25 ^{do} 26 ^{do} 29 ^{do} 30 ^{do} 31 ^{do}		
on fly 19 ¹ 24 ¹		
24 ^{1do} 25 ¹ 26 ¹ 28 ^{2on} 29 ^{2on} 30 ^{5do}		
(29 ¹ 30 ¹)		
24 ¹ 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹ 30 ¹ 31 ¹		
26 ² 29 ⁴ bathing together at spring, 30 ⁴⁺ 31 ⁶ (Keeping low in jungle & grape arbor)		
29 ² 30 ² 31 ³		
31 ¹ (ad. ♀ juv. Keeping low in jungle & spending much time in grape arbor. Apparently only one to-day in fresh & perfect anti. pl.)		

Birds in our Garden, Cambridge.

CASH ACCOUNT. AUGUST.

Date.	Received.	Paid.
1	Robin 1 ♂ ad. 2 ad. 3 ad. 4 2 5 2 6 4 7 ^{6 eating}	
2	Redeye V. 1 ♂ ad. 2 3 4 2 5 1 ad. 6 2 7 2 8	
3	Cedar Bird. 1 hd. 2 hd. 3 hd. 4 hd. 5 hd. 6 ^{1 eating}	
4	Chippy 1 2 3 4 5 6 ^{hd only} 7 8	
5	Crow 1 2 3 3 4 2 7 1 13	
6	Jay 1 3 2 2 3 2 4 2 5 10 23	
7	Oriole 1 hd. 4 ♂ ad. 7 juv. 8 ♂ ad. 1 juv. 22	
8	Grackle 1 ad. 2 do. 3 3 4 3 5 6 6 ^{15 in}	
9	Swift 1 ad. con. 3 do. 4 do. 5 do. 6 do. 8 3	
10	House Sparrow 1 ad. 2 do. 3 2 4 3 5 4 6 4 7 4 8	
11	King bird 1 hd. 3 hd. 5 2 6 juv. 7 do. 8 do	
12	Screech Owl 1 red ad. all day 3 ^{1 all day}	
13	Mniotilta 1 juv. 2 4 4 juv. 6 do. 7 2	
14	Oven bird 1 2 ad. 3 do. 4 do. 5 hd. 6 juv.	
15	Golden wing W. 1 ♂ ad. in 4 juv. in 7 ad.	
16	Flicker 3 7 13	
17	Chestnut side W. 6 juv. showing 7 2 do.	
18	Maryland Yellow Thr. 6 ♂ ad. seen. Sang three	
19	Blue wing Yellow W. 7 1 with white wing bars (See	
20	Dorsey Woodpecker 8 hd.	
21	Black Th. Green Warbler 22 2 juv. 23	
22	Yellow Warbler 22 ♂ juv. 23 juv.	
23	Prairie " 22 7 juv.	
24	Scarlet Tanager 22 1 in 9 pl. but	

CASH ACCOUNT. AUGUST.

Date.	Received.	Paid.
8 2 do. 11 1 ad. Tail juv. 12 4 22	23 25 + 28 2	
11 12 22 23 2		
7 2 do 8 2 do 11 1 ad. 22 2 eating 23 do.		
23 2 ad 4 juv.		
7 6 do. 8 4 do. 22 4 23 4		
11 hd. 12 hd. 23 23		
10 23		
11 do. 12 do		
4 1 in ash. 2 3 1 red bird in tall		
8 10 11 22		
6 2 7 23 on ground		
7 7 juv		

Birds in our Garden, Cambridge
CASH ACCOUNT SEPTEMBER

SEPTEMBER.

Date.	Received.	Paid.
Goldfinch 4 ² ad. ♂♂ on ground.		
Blue Jay 5 ¹		
Robin 13 ¹² + eating cherries 14 ⁶		
Flicker 13' 14'		
Water Thrush 13 ^{heard} chirping		
Tennessee? Warbler 13 ² in bird grove (not chirping sharply) (doubtful)		
Black-poll " 14' ^{well} seen.		
Cedar bird 14' in cherry.		

CASH ACCOUNT. SEPTEMBER.

SEPTEMBER.

[illegible]

CASH ACCOUNT. OCTOBER.

[illegible]

CASH ACCOUNT. OCTOBER.

[illegible]

Birds in our Garden, Cambridge

CASH ACCOUNT. NOVEMBER.

		Received.		Paid.	
1.	Robin 10 ⁴ eating haws, 26	unseen	bird heard calling many times.		
2	Chickadee 10 ⁴ in lilacs 11 ^{hd.} in lilacs	17 ²	19 ²	20 ²	
3	Br. Creeper 10 ⁱⁿ lilacs	17 ^{do.}			
4	Goldfinch 10 ^{hd.}				
5	Juncos 10 ^{hd} 28	1 with 2 Tree Sparrows on ground in jungle.			
6	White-throat 10 ¹ 17 ^{in.}	19 ^{in.}	29 ^{in.}	30 ^{in.}	31 ^{in.}
7	Flicker 10 ¹ 19 ¹ 26	heard	29 ^{heard}		
8	Downy W. 11 ^{hd.} 20 ^{hd.} 28 ^{in.}	willows	29 ^{in.}		
9	Pine Siskin 17 ³³ c. in gray bush, eating seeds	19 ^{hd.}			
10	Hairy W. 18 ^{hd.} 23 ^{in.}	Bush, in			
11	Crow 18 ¹ 20 ^{hd.} 21 ^{in.}	linden	22 ^{hd.}	27 ^{in.}	28 ^{in.}
12	Her. Gull 18 ² 20 ¹⁵	27 ⁷			
13	Blue Jay 19 ¹ 20 ² 23 ¹ 24 ¹ 26 ² 27 ¹ 28 ¹				
14	Golden crest Kinglet 26	unseen bird heard in lilacs.			
15	Starling 27 ²				
16	Hermit Thrush 28 ¹ on ground in jungle	29 ¹ on ground in jungle & grass			
17	Tree Sparrows 28 ² very tame, with Juncos & Hermit				
18	House Sparrow 28 ¹ in jungle	29 ¹			
19	White-bellied Nuthatch 29 ¹ in pear tree &	willows by Mrs. gate.			

CASH ACCOUNT. NOVEMBER.

Date.	Received.	Paid.
2 nd 23' 24' 25' 26 th 28 ⁽⁴⁾ in Jungle 29' 30'		
82 304		

Birds in our Garden, Cambridge

CASH ACCOUNT. DECEMBER.

	Received.	Paid.
1 Chickadee 1 hd. 3 hd. 45 + 51 an 17 lilacs 20 ⁵ sev.		
2 House Sparrow k. 3 ¹⁰ sp. 4 sev. 19 ⁹ 27 ¹		
3 Crow 1 hd. 3 hd. 4 sev. 7 hd. 9 hd. 11 hd. 13 hd.		
4 Downy 3 ^{hd. in} Hubbard T. 20 hd. 27 ²		
5 Golden-crested K. 3 ^{hd. in} lilacs. 23 ¹ near Mus. gate. 1 with chickadee		
6 Hairy W. 15 ¹ ^{hd. in} lindens 25 ¹ ^{hd. in} Calathea by West. 27 ¹ do.		
7 Blue Jay 21 hd. 22 hd. 23 hd. 26 hd. 30 hd. 31 hd.		
8 Cedar bird. 23 ⁶ eating hawthorn berries near 9 hawthorn.		
9 Starling 24 ¹⁰ in ⁱⁿ juniper. 25 ¹⁰ ¹⁰ + eating ⁱⁿ Parkman apple.		
10 Pine Grosbeak 27 ⁴ in ⁱⁿ 9 or in 8 ft. ⁱⁿ Parkman apple.		
11 Goldfinch 27 ¹⁴ ⁱⁿ eating seeds ⁱⁿ canon birches.		

CASH ACCOUNT. DECEMBER.

Date.	Received.	Paid.
18 ³ 21 ^{hd.} 22 ^{hd.} 23 ^{hd.} 24 ^{hd.} 27 ⁶ + 28 ² ^{an}		
29 ³ (27 ¹ 28 ^{hd.} 30 ² ⁱⁿ 31 ^{hd.}		
16 ^{hd.} 17 ³ ⁱⁿ Hubbard T. 18 ^{hd.} 19 ^{hd.} 20 ^{hd.} 21 ^{hd.} 22 ^{hd.} 23 ^{hd.} 24 ^{hd.} 26 ^{hd.}		
26 ¹ 27 ¹⁵ + 28 ⁴ ^{do.}		

SUMMARY OF CASH ACCOUNT.

	Received.		Paid.	
JAN.				
FEB.				
MAR.				
APRIL				
MAY				
JUNE				
JULY				
AUG.				
SEPT.				
OCT.				
NOV.				
DEC.				

MEMORANDA.

[illegible]

MEMORANDA.

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MEMORANDA.

Date.	Dollars.	Cts.

BILLS PAYABLE.

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BILLS PAYABLE.

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BILLS RECEIVABLE.

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BILLS RECEIVABLE.

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ADDRESSES.

NAME.

STREET, No.

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CITY.

TELEPHONE No.

ADDRESSES.

NAME. *Herbert Gardner*
 STREET, No. *315 Hagerman Building*
 CITY. *Colorado Springs*
 TELEPHONE No. _____

NAME. *Mrs. Thomas S. Farley*
 STREET, No. *Greenwood Farm, Richmond Road,*
 CITY. *South Euclid, Ohio*
 TELEPHONE No. _____

NAME. _____
 STREET, No. _____
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